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COMMISSIONERS

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Kristin K. Mayes – Chairman
Gary Pierce
Paul Newman
Sandra Kennedy
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AZ CORP COMMISSION
DOCKET CONTROL

BEFORE THE ARIZONA CORPORATION COMMISSION

IN THE MATTER OF THE APPLICATION OF
ARIZONA WATER COMPANY, FOR AN EXTENSION
OF ITS EXISTING CERTIFICATE OF CONVENIENCE
AND NECESSITY. AT CASA GRANDE, PINAL
COUNTY, ARIZONA

DOCKET NO. W-01445A-06-0199

IN THE MATTER OF THE APPLICATION OF PALO
VERDE UTILITIES COMPANY FOR AN EXTENSION
OF ITS EXISTING CERTIFICATE OF CONVENIENCE
AND NECESSITY.

DOCKET NO. SW-03575A-05-0926

IN THE MATTER OF THE APPLICATION OF SANTA
CRUZ WATER COMPANY FOR AN EXTENSION OF
ITS CERTIFICATE OF ITS EXISTING CERTIFICATE
OF CONVENIENCE AND NECESSITY.

DOCKET NO. W-03576A-05-0926

IN THE MATTER OF THE APPLICATION OF PALO
VERDE UTILITIES COMPANY FOR AN EXTENSION
OF ITS EXISTING CERTIFICATE OF CONVENIENCE
AND NECESSITY.

DOCKET NO. SW-03575A-07-0300

IN THE MATTER OF THE APPLICATION OF SANTA
CRUZ WATER COMPANY FOR AN EXTENSION OF
ITS CERTIFICATE OF ITS EXISTING CERTIFICATE
OF CONVENIENCE AND NECESSITY.

DOCKET NO. W-03576A-07-0300

ARIZONA WATER COMPANY, AN ARIZONA
CORPORATION,

COMPLAINANT,

VS.

DOCKET NO. W-01445A-06-0200
DOCKET NO. SW-20445A-06-0200
DOCKET NO. W-20446A-06-0200
DOCKET NO. W-03576A-06-0200
DOCKET NO. SW-03575A-06-0200

GLOBAL WATER RESOURCES, LLC, A FOREIGN
LIMITED LIABILITY COMPANY; GLOBAL WATER
RESOURCES, INC., A DELAWARE CORPORATION;
GLOBAL WATER MANAGEMENT, LLC, A FOREIGN
LIMITED LIABILITY COMPANY; SANTA CRUZ
WATER COMPANY, LLC, AN ARIZONA LIMITED
LIABILITY CORPORATION; PALO VERDE
UTILITIES COMPANY, LLC, AN ARIZONA LIMITED

Arizona Corporation Commission
DOCKETED

JAN 12 2009

DOCKETED BY

1 LIABILITY CORPORATION; GLOBAL WATER –
2 SANTA CRUZ WATER COMPANY, AN ARIZONA
3 CORPORATION; GLOBAL WATER – PALO VERDE
4 UTILITIES COMPANY, AN ARIZONA
5 CORPORATION; JOHN AND JANE DOES 1-20; ABC
6 ENTITITES I-XX,
7
8 RESPONDENTS.

9 IN THE MATTER OF THE JOINT APPLICATION OF
10 CP WATER COMPANY AND FRANCISCO GRANDE
11 UTILITIES COMPANY TO TRANSFER THEIR
12 CERTIFICATES OF CONVENIENCE AND
13 NECESSITY AND ASSETS TO PALO VERDE
14 UTILITIES COMPANY AND SANTA CRUZ WATER
15 COMPANY.

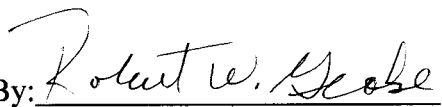
DOCKET NO. W-01775A-07-0485
DOCKET NO. SW-03575A-07-0485
DOCKET NO. W-20442A-07-0485
DOCKET NO. W-03576A-07-0485

**CERTIFICATE OF FILING OF
TESTIMONY AND EXHIBITS**

16
17
18 Arizona Water Company is today filing the prepared testimony and exhibits of its
19 witnesses William M. Garfield and Fredrick K. Schneider.

20 RESPECTFULLY SUBMITTED this 12th day of January, 2009.

ARIZONA WATER COMPANY

21
22
23 By: 

24 Robert W. Geake
25 Vice President and General Counsel
26 ARIZONA WATER COMPANY
27 Post Office Box 29006
28 Phoenix, Arizona 85038-9006

and

Steven A. Hirsch
Rodney W. Ott
BRYAN CAVE LLP
Two North Central Avenue, Ste. 2200
Phoenix, Arizona 85004-4406

1 Original and twenty-one (21) copies of the foregoing filed this 12th day of January, 2009 with:

2 Docket Control Division
3 Arizona Corporation Commission
4 1200 West Washington Street
Phoenix, Arizona 85007

5 A copy of the foregoing was hand-delivered this 12th day of January, 2009 with:

6 Dwight D. Nodes, Esq.
7 Assistant Chief Administrative Law Judge
8 Hearing Division
9 Arizona Corporation Commission
1200 West Washington Street
Phoenix, Arizona 85007

10 Janice Alward, Esq.
11 Chief Counsel, Legal Division
12 Arizona Corporation Commission
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By: Robert Yeale

1 **COMMISSIONERS**

2 Kristin K. Mayes – Chairman
3 Gary Pierce
4 Paul Newman
5 Sandra Kennedy
6 Bob Stump

7 **BEFORE THE ARIZONA CORPORATION COMMISSION**

9 IN THE MATTER OF THE APPLICATION OF 10 ARIZONA WATER COMPANY, FOR AN EXTENSION 11 OF ITS EXISTING CERTIFICATE OF CONVENIENCE AND NECESSITY. AT CASA GRANDE, PINAL COUNTY, ARIZONA	DOCKET NO. W-01445A-06-0199
12 IN THE MATTER OF THE APPLICATION OF PALO 13 VERDE UTILITIES COMPANY FOR AN EXTENSION OF ITS EXISTING CERTIFICATE OF CONVENIENCE AND NECESSITY.	DOCKET NO. SW-03575A-05-0926
14 IN THE MATTER OF THE APPLICATION OF SANTA 15 CRUZ WATER COMPANY FOR AN EXTENSION OF ITS CERTIFICATE OF ITS EXISTING CERTIFICATE 16 OF CONVENIENCE AND NECESSITY.	DOCKET NO. W-03576A-05-0926
17 IN THE MATTER OF THE APPLICATION OF PALO 18 VERDE UTILITIES COMPANY FOR AN EXTENSION OF ITS EXISTING CERTIFICATE OF CONVENIENCE AND NECESSITY.	DOCKET NO. SW-03575A-07-0300
19 IN THE MATTER OF THE APPLICATION OF SANTA 20 CRUZ WATER COMPANY FOR AN EXTENSION OF ITS CERTIFICATE OF ITS EXISTING CERTIFICATE OF CONVENIENCE AND NECESSITY.	DOCKET NO. W-03576A-07-0300
21 ARIZONA WATER COMPANY, AN ARIZONA 22 CORPORATION, COMPLAINANT, 23 VS. 24 GLOBAL WATER RESOURCES, LLC, A FOREIGN 25 LIMITED LIABILITY COMPANY; GLOBAL WATER RESOURCES, INC., A DELAWARE CORPORATION; 26 GLOBAL WATER MANAGEMENT, LLC, A FOREIGN LIMITED LIABILITY COMPANY; SANTA CRUZ 27 WATER COMPANY, LLC, AN ARIZONA LIMITED LIABILITY CORPORATION; PALO VERDE	DOCKET NO. W-01445A-06-0200 DOCKET NO. SW-20445A-06-0200 DOCKET NO. W-20446A-06-0200 DOCKET NO. W-03576A-06-0200 DOCKET NO. SW-03575A-06-0200

1 UTILITIES COMPANY, LLC, AN ARIZONA LIMITED
2 LIABILITY CORPORATION; GLOBAL WATER –
3 SANTA CRUZ WATER COMPANY, AN ARIZONA
4 CORPORATION; GLOBAL WATER – PALO VERDE
5 UTILITIES COMPANY, AN ARIZONA
6 CORPORATION; JOHN AND JANE DOES 1-20; ABC
7 ENTITITES I-XX,
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9 RESPONDENTS.

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IN THE MATTER OF THE JOINT APPLICATION OF
CP WATER COMPANY AND FRANCISCO GRANDE
UTILITIES COMPANY TO TRANSFER THEIR
CERTIFICATES OF CONVENIENCE AND
NECESSITY AND ASSETS TO PALO VERDE
UTILITIES COMPANY AND SANTA CRUZ WATER
COMPANY.

DOCKET NO. W-01775A-07-0485
DOCKET NO. SW-03575A-07-0485
DOCKET NO. W-20442A-07-0485
DOCKET NO. W-03576A-07-0485

**PREPARED TESTIMONY OF WILLIAM M. GARFIELD
ON BEHALF OF ARIZONA WATER COMPANY
JANUARY 12, 2009**

Q. WHAT ARE YOUR NAME, EMPLOYER, AND OCCUPATION?

A. My name is William M. Garfield. I am employed by Arizona Water Company as
President.

**Q. PLEASE DESCRIBE YOUR WORK EXPERIENCE, EDUCATIONAL
BACKGROUND, AND PROFESSIONAL AFFILIATIONS.**

A. Since my initial employment with Arizona Water Company in February 1984, I have
held the positions of Engineer, Senior Engineer, Operations Manager, Vice President
of Operations, and currently hold the position of President, which I have held since
July 18, 2003.

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I completed my undergraduate work at Southern Illinois University at Carbondale and received a Bachelor of Science degree with honors in Thermal and Environmental Engineering. I have taken post-graduate course work at Arizona State University in Civil Engineering, including coursework in hydrology, water and wastewater treatment and statistics. I am a member of Tau Beta Pi, a national honorary engineering society.

I am a member of the American Water Works Association, the Arizona Water and Pollution Control Association (recently renamed the Arizona Water Association) and serve on the American Water Works Association's Water Meter Standards Committee. I have been active in numerous water industry stakeholder groups with the Arizona Department of Environmental Quality ("ADEQ"), the Arizona Department of Water Resources ("ADWR") and the Central Arizona Groundwater Replenishment District. I also participated in the water task force put together by the Arizona Corporation Commission (the "Commission") in 1998-1999. I serve on Arizona Water Company's Board of Directors, the Board of Directors of the Water Infrastructure Finance Authority of Arizona, ADEQ's Water Systems Coordinating Council, ADWR's Statewide Water Advisory Group, and the Board of Directors of the Water Utilities Association of Arizona ("WUAA"), as well as currently serving as WUAA's Vice President and Treasurer. I also serve as Chairman of the Water Management Subcommittee of the Pinal Active Management Area Groundwater User Advisory Council.

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Q. WILL YOU BE SPONSORING ANY EXHIBITS WITH YOUR DIRECT TESTIMONY?

A. Yes. I will be sponsoring the exhibits listed on the attached list of Exhibits. The exhibits follow the Exhibit List in tabbed order:

1. Arizona Water Company's CCN Extension Application and supporting materials.
2. July 21, 2008 Amendment to Arizona Water Company's CCN Extension Application.
3. Settlement Agreement with Global Water Resources.
4. Arizona Water Company's CAP Water Use Plan.
5. Map of Arizona Water Company's Pinal Valley Water System Planning Area.
6. Cooperative Service Agreement between Arizona Water Company and Southwest Water Company.
7. Arizona Water Company's Customer Growth Charts.

These documents are true and accurate copies of documents from Arizona Water Company's docketed filings with the Commission or were prepared directly by me or Arizona Water Company's staff under my supervision and direction.

1 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

2

3 A. I will describe Arizona Water Company's operations in Arizona in general and Pinal
4 County, Casa Grande and Stanfield in particular, Arizona Water Company's master
5 plan for providing water service to the Company's Pinal Valley Water Service Area,
6 and the reasons why Arizona Water Company should be awarded an extension of its
7 Certificate of Convenience and Necessity ("CCN") to serve the area described in its
8 July 21, 2008 Amendment to the Company's CCN Extension Application. A copy of
9 Arizona Water Company's CCN Extension Application and the July 21, 2008
10 Amendment are attached to my testimony as Exhibits WMG1 and WMG2,
11 respectively. I also incorporate the attachments to these applications, which are
12 docketed in these proceedings, as part of my testimony. I will also explain the
13 reasons why it would serve the public interest to approve the Company's CCN
14 Extension Application.

15

16 **Q. YOU HAVE ATTACHED TO YOUR TESTIMONY A COPY OF ARIZONA**
17 **WATER COMPANY'S MAY 15, 2008 SETTLEMENT AGREEMENT**
18 **(EXHIBIT WMG3) WITH GLOBAL WATER RESOURCES ("Global").**
19 **PLEASE DESCRIBE THE BACKGROUND AND PUBLIC POLICY**
20 **BENEFITS OF THE SETTLEMENT AGREEMENT.**

21

22 A. As the Commission knows, Arizona Water Company and Global, in 2005 and 2006,
23 respectively, each filed applications for approval of extensions of their CCN areas, as
24 well as related actions, including a complaint filed by Arizona Water Company
25 against some of the Global entities. The CCN expansion areas involved overlapping
26 territory, and the prosecution of the respective CCN applications and the complaint
27 involved significant time and expense for Global and Arizona Water Company and

28

1 the Commission's staff ("Staff"). Rather than continuing this course of action, with
2 the strong encouragement from Staff, Global and Arizona Water Company held
3 discussions that ultimately resulted in the parties agreeing to end their disputes on
4 terms that they believe are in the public interest and that both parties believe have
5 compelling public benefits. My testimony will discuss the benefits concerning long-
6 range public planning, including the parties' request for approval of amended
7 planning areas. There are many other public interest benefits of the Settlement
8 Agreement, which Arizona Water Company and Global are each requesting the
9 Commission to approve as part of these consolidated proceedings. These compelling
10 public interest benefits for the Commission to approve the Settlement Agreement
11 include:

- 12
- 13 a. The CCN and planning area boundaries described in the Settlement
14 Agreement and the parties' amended CCN applications follow logical
15 and supportable geographic boundaries between major thoroughfares
16 in Pinal County, consistent with the concept behind an earlier
17 allocation of territory that Staff proposed.
- 18
- 19 b. The Settlement Agreement includes the expanded use of reclaimed
20 water, also discussed in detail further below, which will reduce
21 reliance on other water resources that may be used for potable
22 purposes, including both renewable and non-renewable sources of
23 water.
- 24
- 25 c. Global and Arizona Water Company, the two largest and most
26 significant water service providers in the Pinal Valley area will set
27 aside their differences, and instead, will work cooperatively to assist
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and expand water conservation efforts, provide for prudent, sustainable uses of groundwater and other water resources, and encourage and provide for the expanded use of reclaimed water.

d. Global, Arizona Water Company, Staff, and the Commission itself will avoid the expense and the use of increasingly limited resources that would otherwise be expended on prosecuting the contested CCN applications and formal complaint and, thereby achieve the compelling public benefits that I have just described.

Q. WHY DO YOU BELIEVE THAT THE GEOGRAPHIC BOUNDARIES REFLECTED IN THE PROPOSED AMENDED CCN AREAS AND THE AMENDED GLOBAL AND ARIZONA WATER COMPANY CCN EXTENSION APPLICATIONS ARE IN THE PUBLIC INTEREST?

A. The proposed geographic boundaries follow Arizona Water Company’s Pinal Valley Water System Master Plan, as presented to the Commission in Docket No. W-01445A-04-0755 (Woodruff Water Company) and other proceedings, and as recently amended to reflect the Settlement Agreement. The geographic boundaries in the amended CCN area and amended planning area (which are referenced in Exhibit B to Exhibit WMG3 and Exhibit 2 to Exhibit WMG2) track the boundaries of Arizona Water Company’s Pinal Valley Water System Master Plan for the design of its water system for the Company’s Pinal Valley Water Service Area. Sources of water production, major storage facilities, and major transmission and distribution lines will be designed to provide water service to this area, as described further in my testimony.

1 Q. IN YOUR YEARS WITH ARIZONA WATER COMPANY, HAVE YOU
2 BECOME FAMILIAR WITH ARIZONA WATER COMPANY'S
3 OPERATIONS IN ARIZONA AND PINAL COUNTY, AND THE ARIZONA
4 WATER UTILITY INDUSTRY GENERALLY?

5

6 A. Yes, I have. During my nearly twenty-five years of working with Arizona Water
7 Company, both as an engineer and now as President, I have become very familiar
8 with Arizona Water Company's operations. In addition, my involvement with a
9 variety of water-related boards and associations provides me with a wide range of
10 experience and understanding, not only about private water companies but also about
11 municipally-owned water utilities, water improvement districts, community facility
12 districts, and many different governmental regulatory entities, including state, county,
13 and local governmental agencies. My experience in the utility industry also affords
14 me the opportunity to network with other utility managers in dealing with utility
15 issues common to both private and public entities.

16

17 Q. PLEASE BRIEFLY DESCRIBE ARIZONA WATER COMPANY'S
18 OPERATIONS AND RESOURCES IN THE STATE OF ARIZONA.

19

20 A. Arizona Water Company is a Class A water company with over 84,000 customers
21 served by 22 water systems in eight counties in Arizona. Arizona Water Company
22 has been in business since 1955. The towns, cities and unincorporated areas served
23 by Arizona Water Company include Sedona, Pinewood, Ajo, Tierra Grande,
24 Claypool, Globe, Forest Towne, Bisbee, Sierra Vista, Oracle, Arizona City, Casa
25 Grande, Mesa, Goodyear, Buckeye, Coolidge, Randolph, Apache Junction, Gold
26 Canyon, Miami, Pinetop-Lakeside, San Manuel, Winkelman, Stanfield, Overgaard,
27 Rimrock, and Superior. The Company provides service to portions of some of the

28

1 above-listed cities which have their own water utilities, such as Globe, Mesa,
2 Goodyear, and Apache Junction.

3
4 Arizona Water Company owns and operates more than 125 water production
5 wells, which have the capacity to produce in excess of 60,000 gallons per minute, or
6 approximately 85 million gallons per day ("MGD"). Arizona Water Company also
7 owns and operates more than 120 water storage tanks, representing approximately 60
8 million gallons of storage. Arizona Water Company annually produces and delivers
9 over 14 billion gallons of potable and non-potable water, which it delivers to its
10 customers through approximately 9 million linear feet (1,750 miles) of water
11 distribution system pipelines.

12
13 Arizona Water Company has four allocations of Colorado River surface water
14 through long-term subcontracts for Central Arizona Project ("CAP") water as part of
15 three-way agreements with the United States Bureau of Reclamation and the Central
16 Arizona Water Conservation District ("CAWCD") in the following water systems:

17

18 Water System	CAP allocation
19 Casa Grande	8,884 AF/Yr
20 Coolidge	2,000 AF/Yr
21 Apache Junction	6,000 AF/Yr
22 White Tank	968 AF/Yr

23

24 In addition, non-CAP surface water rights exist and are available for future
25 use by Arizona Water Company in its Miami, Superior, White Tank, Coolidge, Tierra
26 Grande and Casa Grande water systems. Allocations of non-Indian Agricultural
27 priority CAP water may also be available to Arizona Water Company as part of future

1 allocations of such water approved by ADWR. Arizona Water Company's CAP
2 Water Use Plan filed with the Commission on December 29, 2006, which is attached
3 as Exhibit WMG4 addresses the Company's plans for use of CAP water in Arizona
4 Water Company's Pinal Valley Water Service Area. In addition to these currently
5 known surface water supplies, the CAWCD is in the process (an effort known as Add
6 Water) of establishing sharing and funding criteria for additional water supplies that
7 the CAWCD may acquire in the future. Arizona Water Company is a stakeholder in
8 this process to secure additional water supplies for its service areas. This is especially
9 important to the Pinal Valley area, which has historically relied on groundwater
10 supplies to a greater extent than in the Phoenix area, but which will require more
11 renewable supplies to meet future demands.

12
13 As part of its operations, Arizona Water Company owns, operates, and
14 manages approximately 300 parcels of land used for well sites, tank sites, booster
15 pump stations, regulator stations, a meter shop, and other purposes involving public
16 utility water service.

17
18 **Q. PLEASE DESCRIBE THE EXPERIENCE OF ARIZONA WATER**
19 **COMPANY'S EMPLOYEES.**

20
21 **A.** Arizona Water Company employs more than 190 employees, with the average
22 employee having more than 12 years of experience with the Company. Of the
23 Company's employees, more than 115 are ADEQ-certified operators, with a
24 significant number certified at the highest level of certification. Two of Arizona
25 Water Company's employees are also ADEQ-certified backflow prevention
26 specialists. Arizona Water Company has its own in-house engineering, drafting,
27 accounting, billing, operations, and legal departments. Arizona Water Company also

1 has its own meter repair and testing facility which maintains, repairs, rebuilds and
2 tests water meters in accordance with Commission and ADWR regulations.

3

4 **Q. PLEASE DESCRIBE THE EXPERIENCE OF ARIZONA WATER**
5 **COMPANY'S BOARD OF DIRECTORS.**

6

7 A. Arizona Water Company's Board of Directors has seven board members, with a
8 cumulative experience greater than 230 years in the water utility business, for an
9 average of more than 30 years per board member. In addition, the cumulative
10 experience of its board members in dealing with utility regulatory commissions in
11 more than one state provides a perspective that few utilities in Arizona can match.

12

13 **Q. WHAT IS ARIZONA WATER COMPANY'S STANDING WITH**
14 **REGULATORS SUCH AS THE COMMISSION, ADEQ, AND ADWR?**

15

16 A. Arizona Water Company is in good standing with the Commission and with other
17 agencies involved in water issues. The Commission has not cited or penalized
18 Arizona Water Company for non-compliance with any Commission order or directive
19 in my nearly twenty-five years with the Company. Likewise, ADEQ has stated that
20 Arizona Water Company is in compliance with safe drinking water standards and
21 guidelines and ADWR has stated that the Company is in compliance with its
22 conservation requirements. Arizona Water Company has not been made aware of any
23 operational or maintenance deficiencies by either ADEQ or Pinal County.

24

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1 **Q. PLEASE DESCRIBE THE GROWTH RATE OF ARIZONA WATER**
2 **COMPANY AND HOW IT AFFECTS THE COMPANY'S PLANS.**

3
4 A. During the most recent 36-month period, Arizona Water Company added
5 approximately 6,500 customers, statewide. In the Pinal Valley Service Area alone,
6 Arizona Water Company added approximately 5,000 customers, as illustrated in
7 Exhibit WMG7. Because of this growth, Arizona Water Company is planning for
8 additional water storage, distribution and transmission facilities, water supplies,
9 production and pumping capacity, and treatment facilities, and for additional trained
10 and capable personnel as they are needed. The Company's engineering department is
11 continually addressing planning issues to ensure that the necessary water utility
12 infrastructure is designed, constructed, and in place in advance of rising demand.
13 This allows Arizona Water Company to provide reliable water service to all of its
14 customers as growth occurs.

15
16 **Q. HOW MUCH WATER UTILITY PLANT HAS ARIZONA WATER**
17 **COMPANY CONSTRUCTED AND PLACED IN SERVICE?**

18
19 A. Arizona Water Company currently has more than \$365 million of gross utility plant
20 in service or under construction as of November 30, 2008.

21
22 **Q. DOES ARIZONA WATER COMPANY HAVE ACCESS TO A LINE OF**
23 **CREDIT FOR USE IN EXPANDING ITS UTILITY SYSTEMS AS NEEDED?**

24
25 A. Yes. Arizona Water Company has a \$30 million line of credit with Bank of America.
26
27
28

1 Q. DOES ARIZONA WATER COMPANY ISSUE BONDS TO FINANCE
2 WATER UTILITY INFRASTRUCTURE?

3

4 A. Yes, in fact, Arizona Water Company issued \$35 million in bonds in September 2008
5 and its Bond Trust Indenture provides for additional borrowing.

6

7 Q. COULD YOU BRIEFLY DESCRIBE ARIZONA WATER COMPANY'S
8 EXPERIENCE IN TREATMENT OF WATER TO COMPLY WITH THE
9 NEW ARSENIC STANDARD?

10

11 A. Yes. Beginning in early 2004, Arizona Water Company worked jointly with the U.S.
12 Environmental Protection Agency ("EPA") and its contractors to install and operate
13 two demonstration plants for the treatment of water to comply with the new arsenic
14 standard. These are the only two such demonstration plants for private water
15 companies in Arizona which were funded by EPA. In addition, Arizona Water
16 Company has completed over twenty arsenic treatment facilities ranging in capacity
17 from 0.07 MGD to over 10.0 MGD with an overall capital cost of approximately \$30
18 million.

19

20 Q. HAS ARIZONA WATER COMPANY FROM TIME TO TIME BEEN
21 CALLED UPON TO TAKE OVER FAILING OR DEFUNCT WATER
22 SYSTEMS AROUND THE STATE?

23

24 A. Yes. Because of failures of small water companies, the Commission has called upon
25 Arizona Water Company to take over or extend service to customers of those
26 companies. Also, a number of small start-up water utilities have simply decided to
27 get out of the business and have called on Arizona Water Company to acquire their

28

1 systems or extend service to their customers. In the Casa Grande area alone, for
2 example, Arizona Water Company has taken over Val Vista Water Company, Arizola
3 Water Company, Mobile City Water Company, Desert Carmel Service Company and
4 Lake in the Desert Water Company, to name a few. Arizona Water Company has
5 also taken over service to portions of Francisco Grande Utility Company. Arizona
6 Water Company is also the sole water provider to CP Water Company (now owned
7 by Global), Signal Peak Water Company, and South Mountain Water Company, and
8 has provided back-up water supplies to Casa Grande West Water Company. After
9 being called upon by Staff in August 2007, Arizona Water Company became the
10 interim manager for Golden Corridor Water Company, a public utility located
11 adjacent to the southeastern portion of Arizona Water Company's Casa Grande water
12 system. Staff worked with Arizona Water Company to ensure the customers'
13 immediate water needs were met, and the Company ultimately was able to provide
14 Golden Corridor's customers with a stable, reliable, affordable, and safe supply of
15 water.

16
17 **Q. DOES ARIZONA WATER COMPANY NOW SUPPORT GLOBAL'S**
18 **ACQUISITION OF CP WATER COMPANY AND FRANCISCO GRANDE**
19 **UTILITIES COMPANY?**

20
21 **A.** Yes. Arizona Water Company had planned for many years to serve all the CCN areas
22 of Francisco Grande Utilities Company and CP Water Company because of the
23 proximity of these water systems to Arizona Water Company's CCN, but the
24 Settlement Agreement between Arizona Water Company and Global now provides
25 the framework and logical boundaries within which both Global and Arizona Water
26 Company should operate and best serve their respective areas. Consistent with the
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Settlement Agreement provisions, the Company supports the transfer of Francisco Grande Utilities Company and CP Water Company to Global.

Q. PLEASE DESCRIBE ARIZONA WATER COMPANY'S EFFORTS TO PROMOTE WATER CONSERVATION.

A. Water Conservation is certainly a major component of my involvement in the water resource-related areas described above. Arizona Water Company has been involved in extensive efforts to inform its customers about the importance of, and need for, water conservation and the responsible management of water resources. Arizona Water Company regularly and consistently reduces usage of groundwater in each of its systems through 1) the use of surface water supplies when available; 2) the use of reclaimed water when such a resource can be used; and 3) the efficient use of all sources of water through conservation, including the best management practices conservation plan which Arizona Water Company has helped ADWR develop over the last three years. Arizona Water Company also supports recharge of groundwater supplies with appropriately treated effluent or reclaimed water.

Q. HAS ARIZONA WATER COMPANY TAKEN STEPS TO USE RECLAIMED WATER?

A. Yes. Arizona Water Company's Superstition system has been providing reclaimed water service since 1989. Additionally, Arizona Water Company has been working closely with the City of Casa Grande in planning for the coordinated use of reclaimed water in the City of Casa Grande's planning area where the City of Casa Grande provides wastewater service. The City of Casa Grande and Arizona Water Company jointly conducted a study on the use of reclaimed water in the Casa Grande area.

1 Formal agreements and plans are yet to be finalized, but even so, the City of Casa
2 Grande has expressed its desire for Arizona Water Company to be the primary
3 provider of reclaimed water service in the Casa Grande area. The City of Casa
4 Grande does not plan to provide wastewater service west of Montgomery Road.
5

6 Global's Palo Verde Utilities Company is planning to provide wastewater
7 service west of Montgomery Road in both the City of Casa Grande's planning area
8 and the Town of Maricopa's planning area (see Exhibit WMG5). Arizona Water
9 Company will provide reclaimed water service in all areas where Palo Verde Utilities
10 Company provides wastewater service and Arizona Water Company provides water
11 utility service. This is an especially important factor in these consolidated cases
12 involving the requested extension areas because coordinating the distribution of
13 reclaimed water for turf facilities and other purposes where reclaimed water can be
14 used will conserve groundwater and other renewable water supplies for potable
15 purposes. In fact, Arizona Water Company is working with the City of Casa Grande
16 and the consulting engineering firm for the Copper Mountain Ranch, an 8,000 acre
17 residential master-planned development (now known as Desert Color) to identify that
18 development's water supply and infrastructure needs including the reclaimed water
19 component and related infrastructure. Arizona Water Company will continue to work
20 with the City of Casa Grande and other wastewater providers in Arizona Water
21 Company's water service areas to implement similar solutions to integrated water and
22 wastewater resource planning.
23

24 In addition, Arizona Water Company and Southwest Water Company, a
25 wastewater service provider, joined in a Cooperative Service Agreement in 2002 to
26 provide wastewater service to developments served by Arizona Water Company that
27 need such services (see Cooperative Service Agreement dated November 18, 2002,
28

1 attached as Exhibit WMG6). Even with Arizona Water Company working jointly
2 with Global's Palo Verde Utilities Company to coordinate wastewater and water
3 service (including Arizona Water Company's provision of reclaimed water service in
4 the requested extension areas), the agreement with Southwest Water provides an
5 additional wastewater service provider in those areas where another wastewater
6 service provider is needed.

7
8 Finally, and most significantly for this proceeding, pursuant to their May 15,
9 2008 Settlement Agreement, Global will agree to supply reclaimed water to Arizona
10 Water Company from wastewater generated within Arizona Water Company's CCN,
11 if requested, for sale and delivery by Arizona Water Company within its CCN and
12 Planning Area. Global and Arizona Water Company also agreed to work
13 cooperatively in connection with Global's efforts to provide wastewater service in the
14 western part of Arizona Water Company's CCN and planning area where the City of
15 Casa Grande or other entities are not planning to provide wastewater service (see
16 Section 7 of Settlement Agreement, attached as Exhibit WMG3). In my opinion,
17 these commitments provide significant opportunities for Global and Arizona Water
18 Company, and the customers and municipalities they serve, to expand the use of
19 reclaimed water in Pinal County.

20
21 **Q. HAS ARIZONA WATER COMPANY MADE USE OF RENEWABLE**
22 **SURFACE WATER?**

23
24 **A.** Yes. Arizona Water Company has CAP allocations for both its Casa Grande and
25 Coolidge water systems, and will construct a surface water treatment plant to treat
26 CAP water for the Company's Pinal Valley Service Area. Moreover, Arizona Water
27 Company already serves untreated CAP surface water in its Superstition and Casa

1 Grande water systems. In addition to the use of untreated CAP water, Arizona Water
2 Company serves treated CAP water to customers in its Superstition water system and
3 will be delivering treated CAP water in its White Tank water system as well. Arizona
4 Water Company will be updating the Commission on the Company's CAP Water Use
5 Plan in the near future and the Company's plans to use CAP water in its Pinal Valley
6 Water System Planning Area.

7
8 Beyond the existing CAP water allocations for which Arizona Water
9 Company has 100-year contracts, Arizona Water Company has the potential to utilize
10 additional surface water supplies. These include surface water supplies allocated for
11 district lands within the Maricopa Water District (White Tank area), Maricopa
12 Stanfield Irrigation and Drainage District, Hohokam Irrigation and Drainage District,
13 and San Carlos Irrigation and Drainage District, as well as the non-Indian
14 Agricultural Priority CAP water resources referenced earlier. These surface water
15 supplies are available to Arizona Water Company in great part because of the location
16 of these irrigation district lands within Arizona Water Company's existing CCN and
17 Pinal Valley Water System Planning Area.

18
19 **Q. PLEASE DESCRIBE ARIZONA WATER COMPANY'S OPERATIONS IN**
20 **PINAL COUNTY, PARTICULARLY THE CASA GRANDE AND COOLIDGE**
21 **WATER SYSTEMS.**

22
23 **A.** Arizona Water Company's Casa Grande water system serves approximately 23,000
24 customers, including several large industrial customers. The Casa Grande water
25 system added approximately 3,900 customers since the beginning of 2006. The Casa
26 Grande water system has 19 wells with the capacity to produce approximately 24
27

1 million gallons of water per day, and has approximately 15 million gallons of storage
2 capacity.

3
4 Arizona Water Company's Coolidge water system serves approximately 4,600
5 customers. The Coolidge water system has the capacity to produce approximately six
6 million gallons of water per day, and has a storage capacity of approximately two
7 million gallons. Arizona Water Company's Coolidge water system added
8 approximately 750 customers since the beginning of 2006.

9
10 As noted earlier, Exhibit WMG7 is a chart showing customer growth in
11 Arizona Water Company's Casa Grande and Coolidge water systems as well as the
12 total Company.

13
14 **Q. WHY ARE THE RESOURCES OF BOTH THE CASA GRANDE AND**
15 **COOLIDGE WATER SYSTEMS RELEVANT TO THIS CCN**
16 **APPLICATION?**

17
18 **A.** Arizona Water Company has completed an interconnection of its Casa Grande and
19 Coolidge systems. Full consolidation of the rates and operations of these two water
20 systems will be completed after Arizona Water Company's rate application is
21 approved in Docket No. W-01445A-08-0440. Once the two systems are fully
22 consolidated in the rate application, the resources of both systems, including water
23 production, storage and increased fire flow capacities, will be available to serve the
24 requested extension area. This is important because a single consolidated water
25 system will operate more efficiently and reliably and thereby reduce costs that two
26 water systems typically would incur when operated separately. Water system
27 personnel can be used to operate the consolidated system in more efficient ways. For

1 example, an employee in each separate system responding to customer call-outs after
2 hours can be replaced with one employee to respond to such calls in the consolidated
3 system. More importantly, however, these interconnected water systems would share
4 common sources of water supply, such as treated CAP water and groundwater. Also,
5 the consolidated water system would achieve greater flexibility not available to stand-
6 alone water systems that would enhance the development of water resources where
7 regulatory and physical barriers previously existed. In addition, in areas where
8 reclaimed water is used for groundwater recharge, having a larger geographic area
9 provides greater opportunity to plan for more effective groundwater recharge and
10 recovery methods. Moreover, where an area's water supply is limited due to shallow
11 bedrock, poor water quality, or low permeability, having more areas from which to
12 develop and plan water supplies will allow fuller integration of available resources,
13 and ultimately yield a lower cost of service to the consolidated system's customers.

14
15 **Q. PLEASE DISCUSS ARIZONA WATER COMPANY'S MASTER PLAN FOR**
16 **THE PROVISION OF WATER UTILITY SERVICE TO THIS AREA.**

17
18 **A.** Arizona Water Company has completed, and makes periodic updates to, its Pinal
19 Valley Water System Master Plan (the "Master Plan"), providing for water
20 production, transmission and distribution infrastructure and water storage, treatment
21 and other infrastructure. Another element of the Master Plan is water resource
22 planning. Planning for the efficient distribution of potable water is important, as is
23 the distribution of reclaimed water and other non-potable water supplies. It is also
24 prudent to plan for the recharge of reclaimed water or treated effluent, all of which
25 takes on an important priority when it comes to planning for an area as large as
26 Arizona Water Company's Pinal Valley Water System Planning Area. Planning at
27

1 the earliest stage helps to avoid unnecessary redundancy, rebuilding, and
2 modifications to planning.

3
4 **Q. PLEASE EXPLAIN WHY ARIZONA WATER COMPANY HAS**
5 **DEVELOPED SUCH A MASTER PLAN?**

6
7 A. As I previously explained, long-range planning is very necessary in the water utility
8 business. Arizona Water Company's objective is to plan for and assure that the
9 Company is able to meet the water supply needs of growth in the Pinal Valley area, to
10 ensure that all of the Company's customers, both existing and new customers, have
11 reliable and cost efficient water utility service.

12
13 As stated above, on December 29, 2006, Arizona Water Company provided
14 the Commission with a copy of a detailed CAP Water Use Plan discussing all existing
15 water supplies and demand patterns, how and when CAP water will be used through
16 the year 2025, all future water sources that the Company plans to use, all major
17 infrastructure components required to use CAP water, projected capital and operating
18 and maintenance costs for future water supplies and numerous other matters.
19 Pursuant to recently enacted A.R.S. §45-330 et seq., public water systems such as
20 Arizona Water Company, submitted detailed water plans (including a water supply
21 plan, drought preparation plan and water conservation plan) to the director of ADWR
22 beginning in January of 2007 and will update these plans every fifth calendar year
23 thereafter. In other words, Arizona Water Company's planning for the future growth
24 and development of its water systems coincides with statewide public planning goals
25 to provide for growth in Arizona.

26
27
28

1 Q. DOES ARIZONA WATER COMPANY HAVE FRANCHISES THAT
2 INCLUDE THE PROPOSED CCN EXPANSION AREA?

3
4 A. Yes. Arizona Water Company has a City of Casa Grande franchise and a Pinal
5 County franchise. Copies of both franchises were included with Arizona Water
6 Company's March 29, 2006 application, attached as Exhibit WMG1. These
7 franchises cover all of the CCN area Arizona Water Company proposes to add
8 pursuant to this Case and the Settlement Agreement.

9
10 Q. DOES ARIZONA WATER COMPANY HAVE A FILED AND APPROVED
11 SERVICE CURTAILMENT TARIFF THAT INCLUDES THE PROPOSED
12 CCN EXPANSION AREA?

13
14 A. Yes. Arizona Water Company has a filed and approved tariff that applies company-
15 wide.

16
17 Q. IS ARIZONA WATER COMPANY CURRENT ON THE PAYMENT OF ALL
18 OF ITS PROPERTY AND SALES TAXES?

19
20 A. Yes, all such payments are current.

21
22 Q. IS IT CORRECT THAT ARIZONA WATER COMPANY TAKES A
23 REGIONAL VIEW OF WATER ISSUES?

24
25 A. Yes. Arizona Water Company continually plans on a regional basis to serve its
26 current and future customers. The Company plans ahead so that when potential
27 customers outside the Company's CCN area require water service, the Company is

1 able to meet their needs while continuing to provide reliable and cost-effective
2 service to existing customers. As a public service corporation, Arizona Water
3 Company has a duty to provide public utility water service to customers within the
4 Company's CCN and to be prepared to provide service to customers outside of, but
5 proximate to, the Company's CCN areas.

6
7 **Q. CAN YOU DESCRIBE ARIZONA WATER COMPANY'S WATER**
8 **RESOURCES THAT ARE AVAILABLE TO SERVE THE AREAS WHICH**
9 **ARE THE SUBJECT OF THIS APPLICATION?**

10
11 **A.** Yes. Arizona Water Company's Casa Grande system currently has the capacity to
12 produce 24 million gallons of groundwater per day. In addition to that capacity,
13 Arizona Water Company developed and filed a demonstration of physical availability
14 with ADWR that shows the availability of approximately 62,000 acre-feet of
15 groundwater per year for the next 100 years for the Company's Casa Grande water
16 system. Arizona Water Company also has an allocation of 8,884 acre-feet per year of
17 CAP water for the Casa Grande water system. In the Coolidge water system, the
18 same physical availability demonstration shows the availability of an additional
19 13,510 acre-feet of groundwater per year for the next 100 years. Arizona Water
20 Company also has an allocation of 2,000 acre-feet per year of CAP water for the
21 Coolidge water system.

22
23 In addition, Arizona Water Company developed and filed an updated physical
24 availability demonstration with ADWR for Arizona Water Company's Pinal Valley
25 water systems that shows a total groundwater supply of at least 120,000 acre-feet of
26 groundwater available annually for at least one hundred years to meet the needs of
27 current and future Arizona Water Company water customers. When combined with

1 reclaimed water, CAP water, and available irrigation district water, over 250,000
2 acre-feet of water supplies are available annually for at least one hundred years to
3 meet the water needs of customers in Arizona Water Company's Pinal Valley water
4 systems and its Pinal Valley Water System Planning Area.

5
6 **Q. IS ARIZONA WATER COMPANY REQUESTING CERTAIN SPECIFIC**
7 **APPROVALS FROM THE COMMISSION IN THIS CONSOLIDATED**
8 **CASE?**

9
10 A. Yes. Arizona Water Company is specifically requesting that the Commission
11 approve (and Global fully supports) a CCN for the area described in Exhibit 1 and
12 illustrated on Exhibit 2 to Arizona Water Company's July 21, 2008 Amendment to the
13 Application, and that the Commission approve the Amended Planning Area
14 illustrated on Exhibit 2 to the 2008 Amendment to the Application which Global also
15 fully supports. As noted in the Settlement Agreement, the Amended Planning Area is
16 located in an area that has limited access to surface water resources and has projected
17 significant customer growth. Consequently, the rising demands on water resources
18 require long-term water resource and service area planning to assure that current and
19 future customers continue to receive reliable water service. In my view, these facts
20 require both Global and Arizona Water Company to plan, design, construct, finance
21 and operate water supply, treatment, storage, and transmission and distribution
22 infrastructure to meet the public water supply requirements in their respective
23 existing and expanded CCN areas and Amended Planning Areas, in a coordinated
24 way as anticipated in the Settlement Agreement. Therefore, approval of the expanded
25 CCN and Amended Planning Areas is consistent with Arizona Water Company's
26 historic planning for, and provision of water service to the Company's Pinal Valley
27 Water Service Area.

1 Q. **WHAT IS THE SIGNIFICANCE OF ARIZONA WATER COMPANY'S**
2 **AMENDED PLANNING AREA?**

3
4 A. The Amended Planning Area is significant because it provides a planning area
5 boundary within which Arizona Water Company can prepare detailed plans to
6 effectively meet the water needs of all present and future customers in such an area.
7 Not only will Arizona Water Company develop detailed plans for providing potable
8 water service, but it will also be able to plan for the provision of reclaimed water
9 service to the area. While the Commission's approval or recognition of Arizona
10 Water Company's Amended Planning Area is not the same as that of a formally
11 approved CCN, it nonetheless allows a degree of certainty that will greatly benefit
12 the future planning process for Arizona Water Company, governmental entities and
13 the public. Planning for the regional water needs of an area provides the Commission
14 (and the ratepayers) with greater assurance that the growing water needs of the
15 subject area will be effectively addressed and timely provided.

16
17 Q. **HAS ARIZONA WATER COMPANY RECEIVED REQUESTS FOR WATER**
18 **SERVICE FOR THE EXTENSION AREA IT HAS REQUESTED?**

19
20 A. Yes. Arizona Water Company has directly received requests for water service from
21 property owners covering approximately 175 acres. In addition, specific requests for
22 water service to approximately 19,373 acres, which Global has agreed should be
23 served by Arizona Water Company (submitted with Santa Cruz Water Company's
24 application), show that there is a present need for water utility service. While other
25 areas in the requested extension area do not have specific requests, Arizona Water
26 Company has included all those areas in its application because the need for
27 comprehensive regional planning and sound public policy strongly favor, if not
28

1 require, including them in Arizona Water Company's CCN. Global expressly agrees.
2 In a Staff Report in Docket No. W-01445-06-0059, Staff outlined nine factors to
3 consider when determining whether to include an area with no request for service in a
4 CCN:

- 5
6 1. Whether inclusion of the area could reasonably be expected to
7 contribute to operational efficiencies.
- 8
9 2. Whether exclusion of the area could reasonably be expected to result
10 in operational inefficiencies.
- 11
12 3. Whether there is a competing application for the area.
- 13
14 4. Whether a customer in the area requests to be excluded and the nature
15 of the request.
- 16
17 5. Whether the area is contiguous to the company's current service
18 territory.
- 19
20 6. Whether the requested area 'squares off' the service territory or fills in
21 holes in the service territory.
- 22
23 7. Whether the company is financially sound.
- 24
25 8. Whether the company at issue is in compliance with Commission
26 decisions, ADEQ and ADWR.
- 27
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9. Other showings by the company at issue that it is in the public interest to approve the extension.

These factors support awarding Arizona Water Company the agreed-upon requested extension area. All of the requested extension area falls within Arizona Water Company's existing franchise areas, Arizona Water Company's Pinal Valley Water System Planning Area, and Master Plan. Extending Arizona Water Company's CCN into the areas, which are a logical extension of growth, advance worthy public policy goals. With Commission approval of the CCN for the requested extension area, Arizona Water Company would be able to effectively develop a comprehensive regional plan for all of the area's water needs, including both potable and reclaimed water, in a definitive and predictable way, and the Company will be able to effectively pursue acquisition of additional water supplies with greater certainty for the planning area as recognized or approved by the Commission.

Q. DID ARIZONA WATER COMPANY MAIL NOTICE OF THE HEARING IN THIS MATTER?

A. Yes, we did. The form of notice that was contained in the October 21, 2008 procedural order was mailed to each property owner in the revised CCN expansion area that is contained in the Company's July 21, 2008 amended application.

Q. HOW DID THE COMPANY DETERMINE THAT THE PROPERTY OWNER LIST IT USED WAS CORRECT?

A. Before the notice was mailed, the Company checked with the Pinal County Assessor's office and the State of Arizona to obtain the latest property owner

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information for each parcel of real property located in the proposed CCN expansion area. This updated list was used to mail out the notice.

Q. DID THE COMPANY RECEIVE ANY OBJECTIONS FROM ANY PROPERTY OWNER TO WHOM NOTICE OF THE HEARING WAS MAILED?

A. No, we did not receive any objections.

Q. IS ARIZONA WATER COMPANY ABLE TO PROVIDE A BROAD RANGE OF WATER SUPPLIES TO ITS REQUESTED CCN EXTENSION AREA?

A. Yes. Extensive growth is occurring over a wide geographic area in Pinal County. Obviously, there are areas with plentiful water and areas where water is scarce. The quality of water also varies from one area to another. Because of its geographical extent and size, Arizona Water Company has a wide range of groundwater sources, as well as significant CAP water allocations, that are available to meet customer demands; and with its fully integrated and consolidated Pinal Valley water system, the Company will be able to reliably and efficiently deliver those supplies throughout the region in which the Company provides service.

1 Q. HOW WILL ARIZONA WATER COMPANY'S PLANNED CONSTRUCTION
2 OF A CAP WATER TREATMENT PLANT AFFECT ITS ABILITY TO
3 SERVE THE REQUESTED CCN EXTENSION AREA?
4

5 A. Arizona Water Company has already purchased the treatment plant site, which is
6 southeast of Coolidge, approximately one-half mile from the CAP canal. Arizona
7 Water Company plans to use that plant as a regional water treatment plant to treat its
8 Casa Grande and Coolidge CAP water allocations. More detailed and updated plans
9 on this CAP water treatment plant will be available when Arizona Water Company
10 files its updated CAP Water Use Plan with the Commission. Once the CAP water
11 treatment plant is completed, treated CAP water would be available to meet water
12 supply needs throughout the requested CCN extension area.
13

14 Q. CAN YOU DESCRIBE ARIZONA WATER COMPANY'S EXPERIENCE IN
15 WORKING WITH ENTITIES PROVIDING SEWER SERVICE?
16

17 A. Yes. Arizona Water Company works with a number of entities that provide
18 wastewater treatment and sewer services within Arizona Water Company's CCN
19 areas, including both private and municipal sewer service providers. Arizona Water
20 Company has entered into agreements with sewer service providers to achieve
21 efficiencies in billing by, for example, providing information to sewer service
22 providers about new water customers. The Company also works with sewer service
23 providers on integrated approaches for the delivery of effluent or reclaimed water to
24 turf facilities, and will be able to achieve even greater uses of reclaimed water in the
25 requested CCN extension area and planning areas through its relationships with the
26 City of Casa Grande and Palo Verde Utilities Company.
27

28

1 In addition, as set forth above, Arizona Water Company is working with the
2 City of Casa Grande to plan for and incorporate reclaimed water service, including
3 deliveries of reclaimed water for direct customer use and groundwater recharge and
4 recovery operations, into its water resource master planning. Arizona Water
5 Company will work similarly with other sewer service providers within its Pinal
6 Valley Water Service Area.

7
8 **Q. WHAT RATES WILL ARIZONA WATER COMPANY APPLY IN THE CCN**
9 **EXTENSION AREA?**

10
11 **A.** Arizona Water Company will apply its Casa Grande rates within the CCN extension
12 area. However, in its pending rate application (Docket No. W-01445A-08-0440),
13 Arizona Water Company is proposing to consolidate its Casa Grande, Coolidge and
14 Stanfield rates into one rate. Once consolidated, this larger system will benefit from
15 improved long-term rate stability. When new rates are approved in Arizona Water
16 Company's pending rate application, the Company's rates in its Pinal Valley Water
17 Service Area will still be lower than most other water providers in Pinal County.

18
19 **Q. DOES THIS COMPLETE YOUR PREPARED DIRECT TESTIMONY?**

20
21 **A.** Yes, it does.
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EXHIBITS

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- WMG1 Arizona Water Company's CCN Extension Application and supporting materials.
- WMG2 July 21, 2008 Amendment to Arizona Water Company's CCN Extension Application.
- WMG3 Settlement Agreement with Global Water Resources.
- WMG4 Arizona Water Company's CAP Water Use Plan.
- WMG5 Map of Arizona Water Company's Pinal Valley Water System Planning Area.
- WMG6 Cooperative Service Agreement with Southwest Water Company.
- WMG7 Arizona Water Company's Customer Growth Charts.

1 **COMMISSIONERS**

2 Kristin K. Mayes, Chairman
3 Gary Pierce
4 Paul Newman
5 Sandra D. Kennedy
6 Bob Stump

7
8 **BEFORE THE ARIZONA CORPORATION COMMISSION**

8	IN THE MATTER OF THE APPLICATION OF ARIZONA WATER COMPANY, FOR AN EXTENSION OF ITS EXISTING CERTIFICATE OF CONVENIENCE AND NECESSITY. AT CASA GRANDE, PINAL COUNTY, ARIZONA	DOCKET NO. W-01445A-06-0199
9		
10		
11	IN THE MATTER OF THE APPLICATION OF PALO VERDE UTILITIES COMPANY FOR AN EXTENSION OF ITS EXISTING CERTIFICATE OF CONVENIENCE AND NECESSITY.	DOCKET NO. SW-03575A-05-0926
12		
13	IN THE MATTER OF THE APPLICATION OF SANTA CRUZ WATER COMPANY FOR AN EXTENSION OF ITS CERTIFICATE OF ITS EXISTING CERTIFICATE OF CONVENIENCE AND NECESSITY.	DOCKET NO. W-03576A-05-0926
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16	IN THE MATTER OF THE APPLICATION OF PALO VERDE UTILITIES COMPANY FOR AN EXTENSION OF ITS EXISTING CERTIFICATE OF CONVENIENCE AND NECESSITY.	DOCKET NO. SW-03575A-07-0300
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18	IN THE MATTER OF THE APPLICATION OF SANTA CRUZ WATER COMPANY FOR AN EXTENSION OF ITS CERTIFICATE OF ITS EXISTING CERTIFICATE OF CONVENIENCE AND NECESSITY.	DOCKET NO. W-03576A-07-0300
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20	ARIZONA WATER COMPANY, AN ARIZONA CORPORATION,	DOCKET NO. W-01445A-06-0200 DOCKET NO. SW-20445A-06-0200 DOCKET NO. W-20446A-06-0200 DOCKET NO. W-03576A-06-0200 DOCKET NO. SW-03575A-06-0200
21	COMPLAINANT,	
22	VS.	
23	GLOBAL WATER RESOURCES, LLC, A FOREIGN LIMITED LIABILITY COMPANY; GLOBAL WATER RESOURCES, INC., A DELAWARE CORPORATION; GLOBAL WATER MANAGEMENT, LLC, A FOREIGN LIMITED LIABILITY COMPANY; SANTA CRUZ WATER COMPANY, LLC, AN ARIZONA LIMITED LIABILITY CORPORATION; PALO VERDE UTILITIES COMPANY, LLC, AN ARIZONA LIMITED	
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1 LIABILITY CORPORATION; GLOBAL WATER –
2 SANTA CRUZ WATER COMPANY, AN ARIZONA
3 CORPORATION; GLOBAL WATER – PALO VERDE
4 UTILITIES COMPANY, AN ARIZONA
5 CORPORATION; JOHN AND JANE DOES 1-20; ABC
6 ENTITIES I-XX,
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8 RESPONDENTS.

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IN THE MATTER OF THE JOINT APPLICATION OF
CP WATER COMPANY AND FRANCISCO GRANDE
UTILITIES COMPANY TO TRANSFER THEIR
CERTIFICATES OF CONVENIENCE AND
NECESSITY AND ASSETS TO PALO VERDE
UTILITIES COMPANY AND SANTA CRUZ WATER
COMPANY.

DOCKET NO. W-01775A-07-0485
DOCKET NO. SW-03575A-07-0485
DOCKET NO. W-20442A-07-0485
DOCKET NO. W-03576A-07-0485

**PREPARED TESTIMONY OF FREDRICK K. SCHNEIDER
ON BEHALF OF ARIZONA WATER COMPANY
JANUARY 12, 2009**

Q. WHAT ARE YOUR NAME, EMPLOYER, AND OCCUPATION?

A. My name is Fredrick K. Schneider and I am employed by Arizona Water Company ("Company") as Vice President of Engineering. My business address is 3805 N. Black Canyon Highway, Phoenix, Arizona 85015.

Q. PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND AND WORK EXPERIENCE.

A. In 1987, while still in college, I began working for the United States Department of Agriculture performing chemical and granular gradation laboratory analysis on soils samples. In 1988, I accepted a position with the City of Tucson as an Engineering Intern in their Engineering Department performing civil engineering site reviews. I later

1 transferred to the City of Tucson's Water Department and worked on groundwater
2 modeling, environmental remediation, and groundwater contamination investigation until
3 I graduated from the University of Arizona in 1990 with a Bachelor of Science degree. I
4 then joined Boyle Engineering Corporation in Phoenix, Arizona as an Assistant Engineer,
5 and was promoted to the position of Associate Engineer in 1993. Boyle Engineering
6 provides consulting engineering services to the public and private sectors in the areas of
7 water and wastewater. During this time, I was involved in a variety of consulting
8 assignments related to system planning and design, including reconnaissance level
9 investigations and feasibility studies through final design and construction phase services.
10 I gained experience in water and wastewater master planning, groundwater supply
11 development, surface water supply, storage reservoirs, treatment facilities, pipeline
12 systems, wastewater collection, treatment, and disposal while at Boyle Engineering. In
13 1995, I accepted a position with Wood, Patel and Associates in Phoenix, Arizona. Wood,
14 Patel is also a consulting engineering firm. My duties at Wood, Patel consisted of
15 engineering design and project management for various water and wastewater pipeline
16 feasibility analyses, evaluation of alternatives, cost estimating, detailed hydraulic analysis
17 and master planning new developments ranging in size from several hundred to several
18 thousand acres in size.

19
20 In 1998, I joined Citizens Water Resources, a major Arizona utility company, as a
21 Senior Development Engineer. Within a few months, I was promoted to the position of
22 Development Services Supervisor, where I negotiated development agreements, reviewed
23 water and wastewater master plans and facility infrastructure plans and oversaw the
24 inspection and approval of the related constructed facilities for Citizen's projects within
25 the metro Phoenix area. I became an employee of Arizona-American Water Company
26 when American Water purchased the water and wastewater assets of Citizens on January
27

1 15, 2001, and was subsequently promoted to the position of Development Services
2 Manager, responsible for the same duties, statewide. In 2003, I moved from engineering
3 to operations when I was promoted to the position of Manager of Arizona-American
4 Water Company, and became responsible for the operations of all of Arizona-American's
5 in-state water and wastewater treatment facilities, distribution and collection facilities,
6 and customer service. In May 2004, I was promoted to the position of Director of
7 Engineering for American Water's Western Region, where my responsibilities included
8 overseeing all capital planning and engineering activities for American Water's
9 operations in Arizona, California, Hawaii, New Mexico, and Texas.

10
11 In October 2005, I accepted a position as an Associate at Brown and Caldwell,
12 another consulting engineering firm. While at Brown and Caldwell, I managed the
13 Phoenix Infrastructure Department, including the design, project management and
14 construction administration of water and wastewater infrastructure within the
15 metropolitan Phoenix area.

16
17 In August 2007, I joined Arizona Water Company as Vice President of
18 Engineering, where my responsibilities include capital planning, design and construction
19 management of all engineering projects.

20
21 **Q. PLEASE PROVIDE MORE DETAIL CONCERNING YOUR EDUCATIONAL**
22 **BACKGROUND.**

23
24 **A.** I graduated in 1990 with a Bachelor of Science degree in Hydrology from the College of
25 Engineering and Mines at the University of Arizona, in Tucson, Arizona. Additionally, I
26 have taken classes at the University of Phoenix working towards an MBA.

1 **Q. ARE YOU A MEMBER OF ANY PROFESSIONAL ORGANIZATIONS?**

2

3 A. Yes. I am a member of the American Water Works Association, Water Environment
4 Federation and the Arizona Water and Pollution Control Association.

5

6 **Q. ARE YOU A REGISTERED PROFESSIONAL ENGINEER?**

7

8 A. Yes. I have been a registered professional engineer in the State of Arizona since 1995.
9 In addition, I am an Arizona Department of Environmental Quality certified water and
10 wastewater operator.

11

12 **Q. HAVE YOU TESTIFIED PREVIOUSLY BEFORE THE COMMISSION?**

13

14 A. Yes. I have previously testified in rate proceedings and Certificate of Convenience and
15 Necessity ("CCN") hearings before the Arizona Corporation Commission. In addition, I
16 have testified in California before the California Public Utilities Commission and
17 presented prepared written testimony in Hawaii and New Mexico.

18

19 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

20

21 A. I will discuss how the requested extension area as amended fits into Arizona Water
22 Company's master plan for its water system in the Pinal Valley area, and how Arizona
23 Water Company plans to meet the water utility service needs of the requested extension
24 area. Additionally, my testimony will include engineering and operational benefits of the
25 amended extension area.

26

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1 Q. WILL YOU BE SPONSORING ANY EXHIBITS WITH YOUR DIRECT
2 TESTIMONY?

3

4 A. Yes. I will be sponsoring the exhibits listed on the attached list of Exhibits, with the
5 exhibits themselves following the list of Exhibits in tabbed order:

6

- 7 1. Arizona Water Company's Pinal Valley Water System Master Plan
8 2. Design Report

9

10 These documents are true and accurate copies of documents from the Company's
11 business records, or were prepared directly by me or Company staff under my
12 supervision.

13

14 Q. PLEASE DISCUSS ARIZONA WATER COMPANY'S MASTER PLAN FOR
15 PROVIDING WATER UTILITY SERVICE IN THE PINAL VALLEY.

16

17 A. Attached to my testimony as Exhibit FKS1 is Arizona Water Company's current Pinal
18 Valley Water System Master Plan (the "Master Plan") for the provision of water service
19 to the Company's Pinal Valley Water Service Area, which includes the area at issue in
20 this request for an extension of Arizona Water Company's CCN. The Master Plan shows
21 the extensive waterline network of Arizona Water Company's existing and planned
22 pipelines, treatment plants, storage tanks, wells, and booster stations. The various
23 pressure zones are also identified. The Master Plan also shows the completed
24 interconnection of the Casa Grande and Coolidge water systems and the planned
25 interconnection to the Stanfield water system, as well as the location of the property
26 purchased for the Arizona Water Company's planned surface water treatment plant for

27

28

1 Central Arizona Project ("CAP") water. Arizona Water Company has been working on
2 this Master Plan for several years and continues to update and revise the Master Plan as
3 necessary for planning purposes. Arizona Water Company has invested a considerable
4 amount of time and effort in preparing the Master Plan because of the Commission's
5 requirement that the Company undertake a comprehensive estimation of projected
6 population growth in customers in Pinal County and the corresponding need to plan for
7 additional sources of supply, water treatment facilities, storage tanks, distribution
8 pipelines, and other utility plant in that region to assure reliable water resources to those
9 customers.

10
11 **Q. PLEASE DISCUSS HOW THE REQUESTED EXTENSION AREA IS AN**
12 **IMPORTANT PART OF ARIZONA WATER COMPANY'S REGIONAL**
13 **PLANNING AND ITS PLANS TO INTERCONNECT THE PINAL VALLEY**
14 **WATER SYSTEMS.**

15
16 **A.** The Master Plan reflects the natural westward growth of Arizona Water Company's
17 integrated Casa Grande water system. The requested area is contiguous to the existing
18 Casa Grande and Stanfield CCN areas. The Company has expanded its Casa Grande
19 water system in a logical and orderly westward direction to ensure that water service can
20 be readily extended when new subdivisions are developed. Unquestionably, water
21 service is needed in this area, as demonstrated by the requests for service. Parcels
22 without current requests for service are nonetheless contiguous to, and are logical
23 extensions of, the existing CCN and the areas for which there are requests for water
24 service. Extending the CCN area in this proceeding to include areas without current
25 requests for service will allow the Company to better plan for efficient and cost-effective
26 service to those future customers, which is in the public interest.

1

2

Second, the requested extension area would allow Arizona Water Company to plan for and ultimately interconnect its Casa Grande and Stanfield water systems, as development occurs, thereby improving the reliability and efficiency of both systems. It will also assure that the Stanfield water system is not permanently cut off and isolated from the larger Casa Grande water system, and not permanently deprived of the considerable operating efficiencies and economies of scale that a fully integrated and interconnected water system would provide to the public.

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Finally, granting the requested CCN extension area to Arizona Water Company will greatly facilitate the provision of water service to the areas along Highway 387 northwest of the existing Casa Grande water system. This area has generally poor water resources, both in terms of the quantity and quality of groundwater. Adding the area to Arizona Water Company's CCN will allow the Company to provide service from the existing, much broader array of water resources in the Company's Casa Grande water system. Because of Arizona Water Company's greater resources, the Company will be able to serve the area by blending water, where necessary, including the use of renewable sources like CAP water treated by the Company's planned CAP water treatment plant. Clearly the area would benefit from Arizona Water Company naturally expanding its existing Casa Grande water system to ensure the area has access to the reliable, cost effective water service that Arizona Water Company's Casa Grande water system, with its interconnected and fully integrated water services, can offer.

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1 Q. PLEASE EXPLAIN HOW THE SETTLEMENT AGREEMENT BETWEEN
2 ARIZONA WATER COMPANY AND GLOBAL WATER RESOURCES
3 ("GLOBAL") ASSISTS THE COMPANY WITH ITS REGIONAL PLANNING
4 EFFORTS.

5 A. Having a defined and logical planning boundary, such as is achieved through the
6 Settlement Agreement, provides certainty for planning purposes by establishing a
7 geographic boundary within which Arizona Water Company can plan for the water needs
8 of its customers. It is difficult to plan on a regional scale if there is uncertainty about
9 whether or not the area being planned will even be served by the Company. Without a
10 defined planning area, such as the Company's Pinal Valley Water System Planning Area,
11 it would be more difficult to plan, develop and implement on a regional basis. Planning
12 on a project by project basis cannot achieve the same benefits of regional planning.

13

14 In addition, the Settlement Agreement provides the basic framework for the
15 Company to plan for the use of reclaimed water. The business relationship established
16 between the Company and Global resulting from the Settlement Agreement is critical to
17 jointly resolving water, wastewater, and reclaimed water issues facing the region. For
18 these reasons, the Commission should recognize the benefits of the Settlement
19 Agreement and the Company's Pinal Valley Water System Planning Area.

20

21 Q. SHOULD THE COMMISSION APPROVE GLOBAL - PALO VERDE
22 UTILITIES COMPANY'S AMENDED CCN EXTENSION APPLICATION, AND
23 IF SO, WHY?

24

25 A. Yes. Having an established wastewater service provider, such as Global's Palo Verde
26 Utilities Company, where there is a need for wastewater service, is in the public interest

27

28

1 and there is a public need and necessity for Palo Verde Utilities Company to hold a
2 wastewater CCN. In addition, the commitment established by the Settlement Agreement
3 between Arizona Water Company and Global will ensure that the parties are able to
4 achieve levels of operational efficiencies, planning coordination, and reuse of reclaimed
5 water that may not be achieved from another wastewater service provider, or possibly a
6 patchwork of small plants and wastewater providers.

7
8 **Q. PLEASE EXPLAIN WHY, FROM AN ENGINEERING PERSPECTIVE, IT IS**
9 **BETTER TO HAVE AN INTEGRATED GRID RATHER THAN SEPARATE,**
10 **SMALL SYSTEMS THAT ARE NOT INTERCONNECTED.**

11
12 A. Creating a regional, fully integrated pipeline grid allows for better water system
13 reliability and efficiency from an engineering perspective. In Arizona Water Company's
14 fully integrated pipeline grid, each well becomes a back-up for all the other wells, and
15 each storage facility becomes a back-up for the other storage facilities. By integrating
16 and interconnecting all of these resources together in a planned regional water system,
17 economies of scale can be achieved that could not be achieved with a number of separate,
18 isolated systems. Small isolated individual systems cannot achieve those necessary levels
19 of reliability and efficiency. With a large integrated grid, a far greater number and
20 variety of locations are available to drill wells, thereby allowing the Company to be more
21 efficient and selective about drilling where the best water quality and quantity can be
22 produced. Moreover, a well-planned and integrated grid allows water customers to
23 benefit from the use of renewable water resources, including CAP water, from a single
24 large scale efficient surface water treatment plant capable of serving the Company's
25 entire Pinal Valley Water Service Area.

1 Q. PLEASE DISCUSS ARIZONA WATER COMPANY'S PLANS FOR
2 CONSTRUCTION OF ITS PLANNED SURFACE WATER TREATMENT
3 PLANT.

4
5 A. The Company already has developed plans to construct a surface water treatment plant to
6 treat its CAP water allocation. Arizona Water Company purchased approximately sixty
7 acres of land in Section 18, T.6S, R 9E in the southeastern part of the Master Plan area
8 for construction of this treatment plant in 2005 and plans to place it in service no later
9 than 2025. Growth rates will govern the Company's schedule for construction, treatment
10 capacity, and completion of the treatment plant. The plant is being built to accommodate
11 water supply needs as growth of its Pinal Valley Water System recovers. Initially, the
12 plant would be designed with sufficient capacity to treat Arizona Water Company's
13 10,884 acre-feet Casa Grande and Coolidge allocations of CAP water with an initial
14 water treatment capacity of 10 million gallons per day. The treatment plant will be
15 designed to allow for additional phases of expanded water treatment capacity as customer
16 growth occurs and additional surface water supplies become available.

17

18 The site for the plant was chosen based on:

- 19 a. Its proximity to the CAP canal and San Carlos Irrigation and Drainage
20 District canals;
- 21 b. Its shape and size;
- 22 c. Its proximity to the Company's Casa Grande and Coolidge water systems;
- 23 d. The land value and land cost; and
- 24 e. Its ability to support modular expansions of the water treatment facility to
25 meet future needs and ultimately support a capacity of nearly 100 million
26 gallons per day.

27

28

1 Arizona Water Company has recently completed the utilization plan and
2 conceptual design of the regional surface water treatment plant which the Company will
3 include as part of its update to the Commission on the Company's CAP Water Use Plan.
4

5 **Q. HOW DOES ARIZONA WATER COMPANY PLAN TO FUND THE CAP**
6 **WATER TREATMENT PLANT?**
7

8 A. Arizona Water Company intends to file with the Commission an application for approval
9 of a Facilities Fee to be collected from new customers in the Pinal Valley Water Service
10 Area for the purpose of funding the design and construction of the new CAP surface
11 water treatment plant. The Facilities Fee Tariff and accompanying application are in the
12 final stages of drafting, review, and approval before being filed with the Commission.
13

14 **Q. IS ARIZONA WATER COMPANY CURRENTLY FURNISHING UNTREATED**
15 **CAP WATER TO CUSTOMERS IN ITS CASA GRANDE SYSTEM?**
16

17 A. Yes. Arizona Water Company is already furnishing untreated CAP water to customers in
18 its Casa Grande system, and the Company has a Commission-approved tariff for such
19 service. Arizona Water Company provides approximately 2,500 acre-feet of untreated
20 CAP water under this tariff to three users, including Salt River Project's Desert Basin
21 power plant, Francisco Grande Golf Resort and Casa Grande Golf and RV Resort. This
22 untreated CAP water is delivered from the Santa Rosa Canal through lateral canals
23 owned and maintained by the Maricopa Stanfield Irrigation and Drainage District. The
24 new CAP treatment plant will expand, not just begin, Arizona Water Company's use of
25 CAP water to serve customers in its Pinal Valley Water Service Area.
26
27

1 Q. PLEASE DISCUSS ARIZONA WATER COMPANY'S PLANS FOR ARSENIC
2 AND NITRATE TREATMENT THAT MAY BE NECESSARY IN THE
3 PROPOSED EXTENSION AREA.

4
5 A. To date, Arizona Water Company has constructed five arsenic treatment plants in its Casa
6 Grande water system and one in Stanfield to treat water production from 15 wells. These
7 treatment plants are complete and in service and have a combined water treatment
8 capacity of approximately twenty million gallons per day. Additionally, the Company
9 has completed construction of two nitrate treatment plants in Stanfield and Coolidge.
10 Both of these treatment plants are complete and in service and have a combined water
11 treatment capacity of approximately three million gallons per day. As the Company drills
12 additional wells, arsenic treatment will be accomplished by a variety of methods,
13 dependent upon the circumstances arising at each well, as follows: a. construction of
14 additional wellhead arsenic treatment plants; b. construction of a regional well field
15 arsenic treatment plant which treats the arsenic from several groundwater sources; or c.
16 blending the untreated water with treated water from one of the Company's existing or
17 planned arsenic or surface water treatment plants.

18
19 Over the years, Arizona Water Company has gained considerable experience
20 constructing and operating arsenic and nitrate treatment plants and is confident that, if
21 water produced from any well drilled in the expansion area needs to be treated, Arizona
22 Water Company can provide the necessary treatment.

1 Q. IS ARIZONA WATER COMPANY IN A POSITION TO CALCULATE THE
2 SPECIFIC COSTS ASSOCIATED WITH ARSENIC TREATMENT FOR THE
3 EXTENSION AREA?
4

5 A. There are too many uncertainties at this time to calculate the number of arsenic treatment
6 plants that might be needed and the costs associated with that treatment. We would not
7 know the arsenic levels of new wells until they are drilled. However, the Company
8 would maximize the efficiency of its area-wide, integrated water system operations to
9 keep those costs as low as possible. For example, Arizona Water Company could
10 minimize the need for costly wellhead arsenic treatment by locating new groundwater
11 supplies near the planned surface water treatment plant, or near an existing centralized
12 arsenic treatment facility. Two of the most recent wells drilled in the Casa Grande area
13 by the Company comply with all of the safe drinking water standards without arsenic
14 treatment.
15

16 Over the last four years, Arizona Water Company has drilled three new wells in
17 the Pinal Valley area. The three new wells have also provided Arizona Water Company
18 with the opportunity to develop new drilling technologies and specifications to
19 significantly reduce arsenic levels. Arizona Water Company expects to draw upon this
20 experience to minimize the size and cost of additional arsenic treatment plants within the
21 regional planning area, which will benefit all customers in the Company's Pinal Valley
22 Water Service Area.
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1 Q. HOW WOULD THE UTILITY PLANT AND INFRASTRUCTURE FOR THE
2 EXTENSION AREA BE FINANCED IF ARIZONA WATER COMPANY IS
3 AWARDED THE CCN?
4

5 A. Arizona Water Company has its own Company-funded construction budget for upgrading
6 its water system to meet increasing customer demands and complying with all applicable
7 regulations. In addition, much of the new utility plant would be financed by developers
8 under the Commission's main extension rule and by the collection of funds from the
9 Company's planned Facilities Fee Tariff. Financing by use of the main extension rule
10 and the Facilities Fee Tariff ensures that the Company and its existing customers are
11 shielded to a great extent from the cost of infrastructure needed to serve new
12 developments in the extension area. The risk of new development remains with the
13 developer, rather than the Company and its existing customers.
14

15 Q. PLEASE DISCUSS THE LOCATION AND CAPACITY OF THE WATER
16 STORAGE TANKS THAT WILL SERVE THE CCN EXPANSION AREA.
17

18 A. The Master Plan shows the anticipated location of the water storage tanks to serve the
19 area. All of these issues are discussed in the design report provided to Staff by the
20 Company, a copy of which is attached to my testimony as Exhibit FKS2.
21
22
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1 Q. PLEASE DISCUSS ARIZONA WATER COMPANY'S PLANS FOR PROVISION
2 OF WATER FOR FIRE PROTECTION IN THE REQUESTED EXTENSION
3 AREA.

4
5 A. Arizona Water Company's Casa Grande water system is large enough, with significant,
6 multiple water supply sources, water storage capacity, and mains designed with sufficient
7 flow capacity, that it can readily provide water for fire protection needs within the
8 requested extension area. Small isolated systems often lack the ability to provide reliable
9 water supply in sufficient quantities and flow rates, and rarely can provide sufficient flow
10 for fire protection purposes.

11
12 Q. WHAT OTHER OPERATIONAL BENEFITS CAN BE REALIZED BY
13 APPROVAL OF THE AMENDED EXTENSION AREA?

14
15 A. From an operations perspective, efficiencies are gained by utilizing the Company's
16 already trained and experienced, certified operators who have the knowledge and
17 experience to operate wells, large distribution mains and storage and water treatment
18 facilities. These operators live in the communities in which they work which allows for
19 quick response times in the event of an emergency. Equipment purchased to maintain the
20 Company's existing water system would be utilized for the same purposes within the
21 amended extension area. The management team and operations employees required to
22 adequately run a water system are currently employed by the Company and already have
23 the ability to serve the amended extension area without the need to create a new
24 management group or a new workforce.

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1 Q. WHAT ARE ARIZONA WATER COMPANY'S PLANS CONCERNING
2 RECLAIMED WATER SERVICE IN THE EXTENSION AREA?

3
4 A. Arizona Water Company recognizes the importance of reclaimed water in meeting the
5 water needs of its customers and in achieving a more sustainable water supply. Specific
6 to the extension area and the Settlement Agreement, Palo Verde Utilities Company will
7 sell bulk reclaimed water to Arizona Water Company in areas where the Company is the
8 water service provider and Palo Verde Utilities Company is the wastewater service
9 provider. The Company anticipates that direct deliveries of reclaimed water for turf
10 facilities and other non-potable demands must be addressed through planning and
11 coordination between the reclaimed water users and Palo Verde Utilities Company. In
12 addition, some amount of groundwater recharge will be required to fully utilize all
13 reclaimed water produced in the Company's Pinal Valley Water Service Area.

14
15 It would be premature to hypothesize about the full planning or infrastructure
16 requirements related to reclaimed water deliveries or recharge, but it is clear that the
17 Company will have a lead role in achieving full use of reclaimed water. In addition,
18 Arizona Water Company is in the process of preparing a Reclaimed Water Tariff which
19 will be filed with the Commission this year. In the future, the Company anticipates the
20 need for some level of master planning for the reclaimed water portion of its water
21 service obligations. By approving the Company's CCN extension, the Commission will
22 be laying the framework for the Company to proceed with reclaimed water planning and
23 achieve the public policy goals of maximizing the use of reclaimed water and providing a
24 more sustainable water supply.

1 Q. DOES THIS COMPLETE YOUR PREPARED DIRECT TESTIMONY?

2

3 A. Yes, it does.

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EXHIBITS

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FKS1 Arizona Water Company's Pinal Valley Water System Master Plan.

FKS2 Design Report.

1 **COMMISSIONERS**

2 Kristin K. Mayes – Chairman
3 Gary Pierce
4 Paul Newman
5 Sandra Kennedy
6 Bob Stump

7 **BEFORE THE ARIZONA CORPORATION COMMISSION**

8 IN THE MATTER OF THE APPLICATION OF 9 ARIZONA WATER COMPANY, FOR AN EXTENSION 10 OF ITS EXISTING CERTIFICATE OF CONVENIENCE 11 AND NECESSITY. AT CASA GRANDE, PINAL 12 COUNTY, ARIZONA	DOCKET NO. W-01445A-06-0199
13 IN THE MATTER OF THE APPLICATION OF PALO 14 VERDE UTILITIES COMPANY FOR AN EXTENSION 15 OF ITS EXISTING CERTIFICATE OF CONVENIENCE 16 AND NECESSITY.	DOCKET NO. SW-03575A-05-0926
17 IN THE MATTER OF THE APPLICATION OF SANTA 18 CRUZ WATER COMPANY FOR AN EXTENSION OF 19 ITS CERTIFICATE OF ITS EXISTING CERTIFICATE 20 OF CONVENIENCE AND NECESSITY.	DOCKET NO. W-03576A-05-0926
21 IN THE MATTER OF THE APPLICATION OF PALO 22 VERDE UTILITIES COMPANY FOR AN EXTENSION 23 OF ITS EXISTING CERTIFICATE OF CONVENIENCE 24 AND NECESSITY.	DOCKET NO. SW-03575A-07-0300
25 IN THE MATTER OF THE APPLICATION OF SANTA 26 CRUZ WATER COMPANY FOR AN EXTENSION OF 27 ITS CERTIFICATE OF ITS EXISTING CERTIFICATE 28 OF CONVENIENCE AND NECESSITY.	DOCKET NO. W-03576A-07-0300
ARIZONA WATER COMPANY, AN ARIZONA CORPORATION, COMPLAINANT, VS. GLOBAL WATER RESOURCES, LLC, A FOREIGN LIMITED LIABILITY COMPANY; GLOBAL WATER RESOURCES, INC., A DELAWARE CORPORATION; GLOBAL WATER MANAGEMENT, LLC, A FOREIGN LIMITED LIABILITY COMPANY; SANTA CRUZ WATER COMPANY, LLC, AN ARIZONA LIMITED LIABILITY CORPORATION; PALO VERDE UTILITIES COMPANY, LLC, AN ARIZONA LIMITED	DOCKET NO. W-01445A-06-0200 DOCKET NO. SW-20445A-06-0200 DOCKET NO. W-20446A-06-0200 DOCKET NO. W-03576A-06-0200 DOCKET NO. SW-03575A-06-0200

1 LIABILITY CORPORATION; GLOBAL WATER –
2 SANTA CRUZ WATER COMPANY, AN ARIZONA
3 CORPORATION; GLOBAL WATER – PALO VERDE
4 UTILITIES COMPANY, AN ARIZONA
CORPORATION; JOHN AND JANE DOES 1-20; ABC
ENTITITES I-XX,
RESPONDENTS.

5
6 IN THE MATTER OF THE JOINT APPLICATION OF
7 CP WATER COMPANY AND FRANCISCO GRANDE
8 UTILITIES COMPANY TO TRANSFER THEIR
9 CERTIFICATES OF CONVENIENCE AND
NECESSITY AND ASSETS TO PALO VERDE
UTILITIES COMPANY AND SANTA CRUZ WATER
COMPANY.

DOCKET NO. W-01775A-07-0485
DOCKET NO. SW-03575A-07-0485
DOCKET NO. W-20442A-07-0485
DOCKET NO. W-03576A-07-0485

**CERTIFICATE OF FILING OF
TESTIMONY AND EXHIBITS**

11
12 Arizona Water Company is today filing the prepared testimony and exhibits of its
13 witnesses William M. Garfield and Fredrick K. Schneider.

14 RESPECTFULLY SUBMITTED this 12th day of January, 2009.

15 **ARIZONA WATER COMPANY**

16
17
18 By: Robert W. Geake
Robert W. Geake
19 Vice President and General Counsel
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20 Post Office Box 29006
21 Phoenix, Arizona 85038-9006

22 and

23 Steven A. Hirsch
24 Rodney W. Ott
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25 Two North Central Avenue, Ste. 2200
Phoenix, Arizona 85004-4406
26
27

1 Original and twenty-one (21) copies of the foregoing filed this 12th day of January, 2009 with:

2 Docket Control Division
3 Arizona Corporation Commission
4 1200 West Washington Street
Phoenix, Arizona 85007

5 A copy of the foregoing was hand-delivered this 12th day of January, 2009 with:

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8 Hearing Division
9 Arizona Corporation Commission
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Phoenix, Arizona 85007

10 Janice Alward, Esq.
11 Chief Counsel, Legal Division
12 Arizona Corporation Commission
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13 Ernest G. Johnson
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15 Arizona Corporation Commission
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17 A copy of the foregoing was mailed this 12th day of January, 2009 with:

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By: Robert Meade

**William
M.
Garfield**

1 **COMMISSIONERS**

2 Kristin K. Mayes – Chairman
3 Gary Pierce
4 Paul Newman
5 Sandra Kennedy
6 Bob Stump

7 **BEFORE THE ARIZONA CORPORATION COMMISSION**

9 IN THE MATTER OF THE APPLICATION OF 10 ARIZONA WATER COMPANY, FOR AN EXTENSION 11 OF ITS EXISTING CERTIFICATE OF CONVENIENCE AND NECESSITY. AT CASA GRANDE, PINAL COUNTY, ARIZONA	DOCKET NO. W-01445A-06-0199
12 IN THE MATTER OF THE APPLICATION OF PALO 13 VERDE UTILITIES COMPANY FOR AN EXTENSION OF ITS EXISTING CERTIFICATE OF CONVENIENCE AND NECESSITY.	DOCKET NO. SW-03575A-05-0926
14 IN THE MATTER OF THE APPLICATION OF SANTA 15 CRUZ WATER COMPANY FOR AN EXTENSION OF ITS CERTIFICATE OF ITS EXISTING CERTIFICATE 16 OF CONVENIENCE AND NECESSITY.	DOCKET NO. W-03576A-05-0926
17 IN THE MATTER OF THE APPLICATION OF PALO 18 VERDE UTILITIES COMPANY FOR AN EXTENSION OF ITS EXISTING CERTIFICATE OF CONVENIENCE AND NECESSITY.	DOCKET NO. SW-03575A-07-0300
19 IN THE MATTER OF THE APPLICATION OF SANTA 20 CRUZ WATER COMPANY FOR AN EXTENSION OF ITS CERTIFICATE OF ITS EXISTING CERTIFICATE OF CONVENIENCE AND NECESSITY.	DOCKET NO. W-03576A-07-0300
21 ARIZONA WATER COMPANY, AN ARIZONA 22 CORPORATION, 23 VS. COMPLAINANT, 24 GLOBAL WATER RESOURCES, LLC, A FOREIGN 25 LIMITED LIABILITY COMPANY; GLOBAL WATER 26 RESOURCES, INC., A DELAWARE CORPORATION; 27 GLOBAL WATER MANAGEMENT, LLC, A FOREIGN LIMITED LIABILITY COMPANY; SANTA CRUZ WATER COMPANY, LLC, AN ARIZONA LIMITED LIABILITY CORPORATION; PALO VERDE	DOCKET NO. W-01445A-06-0200 DOCKET NO. SW-20445A-06-0200 DOCKET NO. W-20446A-06-0200 DOCKET NO. W-03576A-06-0200 DOCKET NO. SW-03575A-06-0200

1 UTILITIES COMPANY, LLC, AN ARIZONA LIMITED
2 LIABILITY CORPORATION; GLOBAL WATER –
3 SANTA CRUZ WATER COMPANY, AN ARIZONA
4 CORPORATION; GLOBAL WATER – PALO VERDE
5 UTILITIES COMPANY, AN ARIZONA
6 CORPORATION; JOHN AND JANE DOES 1-20; ABC
7 ENTITITES I-XX,
8
9 RESPONDENTS.

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IN THE MATTER OF THE JOINT APPLICATION OF
CP WATER COMPANY AND FRANCISCO GRANDE
UTILITIES COMPANY TO TRANSFER THEIR
CERTIFICATES OF CONVENIENCE AND
NECESSITY AND ASSETS TO PALO VERDE
UTILITIES COMPANY AND SANTA CRUZ WATER
COMPANY.

DOCKET NO. W-01775A-07-0485
DOCKET NO. SW-03575A-07-0485
DOCKET NO. W-20442A-07-0485
DOCKET NO. W-03576A-07-0485

**PREPARED TESTIMONY OF WILLIAM M. GARFIELD
ON BEHALF OF ARIZONA WATER COMPANY
JANUARY 12, 2009**

Q. WHAT ARE YOUR NAME, EMPLOYER, AND OCCUPATION?

A. My name is William M. Garfield. I am employed by Arizona Water Company as
President.

**Q. PLEASE DESCRIBE YOUR WORK EXPERIENCE, EDUCATIONAL
BACKGROUND, AND PROFESSIONAL AFFILIATIONS.**

A. Since my initial employment with Arizona Water Company in February 1984, I have
held the positions of Engineer, Senior Engineer, Operations Manager, Vice President
of Operations, and currently hold the position of President, which I have held since
July 18, 2003.

1 I completed my undergraduate work at Southern Illinois University at
2 Carbondale and received a Bachelor of Science degree with honors in Thermal and
3 Environmental Engineering. I have taken post-graduate course work at Arizona State
4 University in Civil Engineering, including coursework in hydrology, water and
5 wastewater treatment and statistics. I am a member of Tau Beta Pi, a national
6 honorary engineering society.

7
8 I am a member of the American Water Works Association, the Arizona Water
9 and Pollution Control Association (recently renamed the Arizona Water Association)
10 and serve on the American Water Works Association's Water Meter Standards
11 Committee. I have been active in numerous water industry stakeholder groups with
12 the Arizona Department of Environmental Quality ("ADEQ"), the Arizona
13 Department of Water Resources ("ADWR") and the Central Arizona Groundwater
14 Replenishment District. I also participated in the water task force put together by the
15 Arizona Corporation Commission (the "Commission") in 1998-1999. I serve on
16 Arizona Water Company's Board of Directors, the Board of Directors of the Water
17 Infrastructure Finance Authority of Arizona, ADEQ's Water Systems Coordinating
18 Council, ADWR's Statewide Water Advisory Group, and the Board of Directors of
19 the Water Utilities Association of Arizona ("WUAA"), as well as currently serving as
20 WUAA's Vice President and Treasurer. I also serve as Chairman of the Water
21 Management Subcommittee of the Pinal Active Management Area Groundwater User
22 Advisory Council.

1 Q. WILL YOU BE SPONSORING ANY EXHIBITS WITH YOUR DIRECT
2 TESTIMONY?

3
4 A. Yes. I will be sponsoring the exhibits listed on the attached list of Exhibits. The
5 exhibits follow the Exhibit List in tabbed order:

- 6
7 1. Arizona Water Company's CCN Extension Application and
8 supporting materials.
9
10 2. July 21, 2008 Amendment to Arizona Water Company's CCN
11 Extension Application.
12
13 3. Settlement Agreement with Global Water Resources.
14
15 4. Arizona Water Company's CAP Water Use Plan.
16
17 5. Map of Arizona Water Company's Pinal Valley Water System
18 Planning Area.
19
20 6. Cooperative Service Agreement between Arizona Water Company and
21 Southwest Water Company.
22
23 7. Arizona Water Company's Customer Growth Charts.

24
25 These documents are true and accurate copies of documents from Arizona
26 Water Company's docketed filings with the Commission or were prepared directly by
27 me or Arizona Water Company's staff under my supervision and direction.

1 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

2

3 A. I will describe Arizona Water Company's operations in Arizona in general and Pinal
4 County, Casa Grande and Stanfield in particular, Arizona Water Company's master
5 plan for providing water service to the Company's Pinal Valley Water Service Area,
6 and the reasons why Arizona Water Company should be awarded an extension of its
7 Certificate of Convenience and Necessity ("CCN") to serve the area described in its
8 July 21, 2008 Amendment to the Company's CCN Extension Application. A copy of
9 Arizona Water Company's CCN Extension Application and the July 21, 2008
10 Amendment are attached to my testimony as Exhibits WMG1 and WMG2,
11 respectively. I also incorporate the attachments to these applications, which are
12 docketed in these proceedings, as part of my testimony. I will also explain the
13 reasons why it would serve the public interest to approve the Company's CCN
14 Extension Application.

15

16 Q. YOU HAVE ATTACHED TO YOUR TESTIMONY A COPY OF ARIZONA
17 WATER COMPANY'S MAY 15, 2008 SETTLEMENT AGREEMENT
18 (EXHIBIT WMG3) WITH GLOBAL WATER RESOURCES ("Global").
19 PLEASE DESCRIBE THE BACKGROUND AND PUBLIC POLICY
20 BENEFITS OF THE SETTLEMENT AGREEMENT.

21

22 A. As the Commission knows, Arizona Water Company and Global, in 2005 and 2006,
23 respectively, each filed applications for approval of extensions of their CCN areas, as
24 well as related actions, including a complaint filed by Arizona Water Company
25 against some of the Global entities. The CCN expansion areas involved overlapping
26 territory, and the prosecution of the respective CCN applications and the complaint
27 involved significant time and expense for Global and Arizona Water Company and

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1 the Commission's staff ("Staff"). Rather than continuing this course of action, with
2 the strong encouragement from Staff, Global and Arizona Water Company held
3 discussions that ultimately resulted in the parties agreeing to end their disputes on
4 terms that they believe are in the public interest and that both parties believe have
5 compelling public benefits. My testimony will discuss the benefits concerning long-
6 range public planning, including the parties' request for approval of amended
7 planning areas. There are many other public interest benefits of the Settlement
8 Agreement, which Arizona Water Company and Global are each requesting the
9 Commission to approve as part of these consolidated proceedings. These compelling
10 public interest benefits for the Commission to approve the Settlement Agreement
11 include:

- 12
- 13 a. The CCN and planning area boundaries described in the Settlement
14 Agreement and the parties' amended CCN applications follow logical
15 and supportable geographic boundaries between major thoroughfares
16 in Pinal County, consistent with the concept behind an earlier
17 allocation of territory that Staff proposed.
- 18
- 19 b. The Settlement Agreement includes the expanded use of reclaimed
20 water, also discussed in detail further below, which will reduce
21 reliance on other water resources that may be used for potable
22 purposes, including both renewable and non-renewable sources of
23 water.
- 24
- 25 c. Global and Arizona Water Company, the two largest and most
26 significant water service providers in the Pinal Valley area will set
27 aside their differences, and instead, will work cooperatively to assist

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and expand water conservation efforts, provide for prudent, sustainable uses of groundwater and other water resources, and encourage and provide for the expanded use of reclaimed water.

d. Global, Arizona Water Company, Staff, and the Commission itself will avoid the expense and the use of increasingly limited resources that would otherwise be expended on prosecuting the contested CCN applications and formal complaint and, thereby achieve the compelling public benefits that I have just described.

Q. WHY DO YOU BELIEVE THAT THE GEOGRAPHIC BOUNDARIES REFLECTED IN THE PROPOSED AMENDED CCN AREAS AND THE AMENDED GLOBAL AND ARIZONA WATER COMPANY CCN EXTENSION APPLICATIONS ARE IN THE PUBLIC INTEREST?

A. The proposed geographic boundaries follow Arizona Water Company's Pinal Valley Water System Master Plan, as presented to the Commission in Docket No. W-01445A-04-0755 (Woodruff Water Company) and other proceedings, and as recently amended to reflect the Settlement Agreement. The geographic boundaries in the amended CCN area and amended planning area (which are referenced in Exhibit B to Exhibit WMG3 and Exhibit 2 to Exhibit WMG2) track the boundaries of Arizona Water Company's Pinal Valley Water System Master Plan for the design of its water system for the Company's Pinal Valley Water Service Area. Sources of water production, major storage facilities, and major transmission and distribution lines will be designed to provide water service to this area, as described further in my testimony.

1 Q. IN YOUR YEARS WITH ARIZONA WATER COMPANY, HAVE YOU
2 BECOME FAMILIAR WITH ARIZONA WATER COMPANY'S
3 OPERATIONS IN ARIZONA AND PINAL COUNTY, AND THE ARIZONA
4 WATER UTILITY INDUSTRY GENERALLY?
5

6 A. Yes, I have. During my nearly twenty-five years of working with Arizona Water
7 Company, both as an engineer and now as President, I have become very familiar
8 with Arizona Water Company's operations. In addition, my involvement with a
9 variety of water-related boards and associations provides me with a wide range of
10 experience and understanding, not only about private water companies but also about
11 municipally-owned water utilities, water improvement districts, community facility
12 districts, and many different governmental regulatory entities, including state, county,
13 and local governmental agencies. My experience in the utility industry also affords
14 me the opportunity to network with other utility managers in dealing with utility
15 issues common to both private and public entities.
16

17 Q. PLEASE BRIEFLY DESCRIBE ARIZONA WATER COMPANY'S
18 OPERATIONS AND RESOURCES IN THE STATE OF ARIZONA.
19

20 A. Arizona Water Company is a Class A water company with over 84,000 customers
21 served by 22 water systems in eight counties in Arizona. Arizona Water Company
22 has been in business since 1955. The towns, cities and unincorporated areas served
23 by Arizona Water Company include Sedona, Pinewood, Ajo, Tierra Grande,
24 Claypool, Globe, Forest Towne, Bisbee, Sierra Vista, Oracle, Arizona City, Casa
25 Grande, Mesa, Goodyear, Buckeye, Coolidge, Randolph, Apache Junction, Gold
26 Canyon, Miami, Pinetop-Lakeside, San Manuel, Winkelman, Stanfield, Overgaard,
27 Rimrock, and Superior. The Company provides service to portions of some of the
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above-listed cities which have their own water utilities, such as Globe, Mesa, Goodyear, and Apache Junction.

Arizona Water Company owns and operates more than 125 water production wells, which have the capacity to produce in excess of 60,000 gallons per minute, or approximately 85 million gallons per day (“MGD”). Arizona Water Company also owns and operates more than 120 water storage tanks, representing approximately 60 million gallons of storage. Arizona Water Company annually produces and delivers over 14 billion gallons of potable and non-potable water, which it delivers to its customers through approximately 9 million linear feet (1,750 miles) of water distribution system pipelines.

Arizona Water Company has four allocations of Colorado River surface water through long-term subcontracts for Central Arizona Project (“CAP”) water as part of three-way agreements with the United States Bureau of Reclamation and the Central Arizona Water Conservation District (“CAWCD”) in the following water systems:

Water System	CAP allocation
Casa Grande	8,884 AF/Yr
Coolidge	2,000 AF/Yr
Apache Junction	6,000 AF/Yr
White Tank	968 AF/Yr

In addition, non-CAP surface water rights exist and are available for future use by Arizona Water Company in its Miami, Superior, White Tank, Coolidge, Tierra Grande and Casa Grande water systems. Allocations of non-Indian Agricultural priority CAP water may also be available to Arizona Water Company as part of future

1 allocations of such water approved by ADWR. Arizona Water Company's CAP
2 Water Use Plan filed with the Commission on December 29, 2006, which is attached
3 as Exhibit WMG4 addresses the Company's plans for use of CAP water in Arizona
4 Water Company's Pinal Valley Water Service Area. In addition to these currently
5 known surface water supplies, the CAWCD is in the process (an effort known as Add
6 Water) of establishing sharing and funding criteria for additional water supplies that
7 the CAWCD may acquire in the future. Arizona Water Company is a stakeholder in
8 this process to secure additional water supplies for its service areas. This is especially
9 important to the Pinal Valley area, which has historically relied on groundwater
10 supplies to a greater extent than in the Phoenix area, but which will require more
11 renewable supplies to meet future demands.

12
13 As part of its operations, Arizona Water Company owns, operates, and
14 manages approximately 300 parcels of land used for well sites, tank sites, booster
15 pump stations, regulator stations, a meter shop, and other purposes involving public
16 utility water service.

17
18 **Q. PLEASE DESCRIBE THE EXPERIENCE OF ARIZONA WATER**
19 **COMPANY'S EMPLOYEES.**

20
21 **A.** Arizona Water Company employs more than 190 employees, with the average
22 employee having more than 12 years of experience with the Company. Of the
23 Company's employees, more than 115 are ADEQ-certified operators, with a
24 significant number certified at the highest level of certification. Two of Arizona
25 Water Company's employees are also ADEQ-certified backflow prevention
26 specialists. Arizona Water Company has its own in-house engineering, drafting,
27 accounting, billing, operations, and legal departments. Arizona Water Company also

1 has its own meter repair and testing facility which maintains, repairs, rebuilds and
2 tests water meters in accordance with Commission and ADWR regulations.

3

4 **Q. PLEASE DESCRIBE THE EXPERIENCE OF ARIZONA WATER**
5 **COMPANY'S BOARD OF DIRECTORS.**

6

7 A. Arizona Water Company's Board of Directors has seven board members, with a
8 cumulative experience greater than 230 years in the water utility business, for an
9 average of more than 30 years per board member. In addition, the cumulative
10 experience of its board members in dealing with utility regulatory commissions in
11 more than one state provides a perspective that few utilities in Arizona can match.

12

13 **Q. WHAT IS ARIZONA WATER COMPANY'S STANDING WITH**
14 **REGULATORS SUCH AS THE COMMISSION, ADEQ, AND ADWR?**

15

16 A. Arizona Water Company is in good standing with the Commission and with other
17 agencies involved in water issues. The Commission has not cited or penalized
18 Arizona Water Company for non-compliance with any Commission order or directive
19 in my nearly twenty-five years with the Company. Likewise, ADEQ has stated that
20 Arizona Water Company is in compliance with safe drinking water standards and
21 guidelines and ADWR has stated that the Company is in compliance with its
22 conservation requirements. Arizona Water Company has not been made aware of any
23 operational or maintenance deficiencies by either ADEQ or Pinal County.

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1 Q. PLEASE DESCRIBE THE GROWTH RATE OF ARIZONA WATER
2 COMPANY AND HOW IT AFFECTS THE COMPANY'S PLANS.

3

4 A. During the most recent 36-month period, Arizona Water Company added
5 approximately 6,500 customers, statewide. In the Pinal Valley Service Area alone,
6 Arizona Water Company added approximately 5,000 customers, as illustrated in
7 Exhibit WMG7. Because of this growth, Arizona Water Company is planning for
8 additional water storage, distribution and transmission facilities, water supplies,
9 production and pumping capacity, and treatment facilities, and for additional trained
10 and capable personnel as they are needed. The Company's engineering department is
11 continually addressing planning issues to ensure that the necessary water utility
12 infrastructure is designed, constructed, and in place in advance of rising demand.
13 This allows Arizona Water Company to provide reliable water service to all of its
14 customers as growth occurs.

15

16 Q. HOW MUCH WATER UTILITY PLANT HAS ARIZONA WATER
17 COMPANY CONSTRUCTED AND PLACED IN SERVICE?

18

19 A. Arizona Water Company currently has more than \$365 million of gross utility plant
20 in service or under construction as of November 30, 2008.

21

22 Q. DOES ARIZONA WATER COMPANY HAVE ACCESS TO A LINE OF
23 CREDIT FOR USE IN EXPANDING ITS UTILITY SYSTEMS AS NEEDED?

24

25 A. Yes. Arizona Water Company has a \$30 million line of credit with Bank of America.

26

27

28

1 Q. DOES ARIZONA WATER COMPANY ISSUE BONDS TO FINANCE
2 WATER UTILITY INFRASTRUCTURE?

3
4 A. Yes, in fact, Arizona Water Company issued \$35 million in bonds in September 2008
5 and its Bond Trust Indenture provides for additional borrowing.
6

7 Q. COULD YOU BRIEFLY DESCRIBE ARIZONA WATER COMPANY'S
8 EXPERIENCE IN TREATMENT OF WATER TO COMPLY WITH THE
9 NEW ARSENIC STANDARD?
10

11 A. Yes. Beginning in early 2004, Arizona Water Company worked jointly with the U.S.
12 Environmental Protection Agency ("EPA") and its contractors to install and operate
13 two demonstration plants for the treatment of water to comply with the new arsenic
14 standard. These are the only two such demonstration plants for private water
15 companies in Arizona which were funded by EPA. In addition, Arizona Water
16 Company has completed over twenty arsenic treatment facilities ranging in capacity
17 from 0.07 MGD to over 10.0 MGD with an overall capital cost of approximately \$30
18 million.
19

20 Q. HAS ARIZONA WATER COMPANY FROM TIME TO TIME BEEN
21 CALLED UPON TO TAKE OVER FAILING OR DEFUNCT WATER
22 SYSTEMS AROUND THE STATE?
23

24 A. Yes. Because of failures of small water companies, the Commission has called upon
25 Arizona Water Company to take over or extend service to customers of those
26 companies. Also, a number of small start-up water utilities have simply decided to
27 get out of the business and have called on Arizona Water Company to acquire their
28

1 systems or extend service to their customers. In the Casa Grande area alone, for
2 example, Arizona Water Company has taken over Val Vista Water Company, Arizola
3 Water Company, Mobile City Water Company, Desert Carmel Service Company and
4 Lake in the Desert Water Company, to name a few. Arizona Water Company has
5 also taken over service to portions of Francisco Grande Utility Company. Arizona
6 Water Company is also the sole water provider to CP Water Company (now owned
7 by Global), Signal Peak Water Company, and South Mountain Water Company, and
8 has provided back-up water supplies to Casa Grande West Water Company. After
9 being called upon by Staff in August 2007, Arizona Water Company became the
10 interim manager for Golden Corridor Water Company, a public utility located
11 adjacent to the southeastern portion of Arizona Water Company's Casa Grande water
12 system. Staff worked with Arizona Water Company to ensure the customers'
13 immediate water needs were met, and the Company ultimately was able to provide
14 Golden Corridor's customers with a stable, reliable, affordable, and safe supply of
15 water.

16
17 **Q. DOES ARIZONA WATER COMPANY NOW SUPPORT GLOBAL'S**
18 **ACQUISITION OF CP WATER COMPANY AND FRANCISCO GRANDE**
19 **UTILITIES COMPANY?**

20
21 **A.** Yes. Arizona Water Company had planned for many years to serve all the CCN areas
22 of Francisco Grande Utilities Company and CP Water Company because of the
23 proximity of these water systems to Arizona Water Company's CCN, but the
24 Settlement Agreement between Arizona Water Company and Global now provides
25 the framework and logical boundaries within which both Global and Arizona Water
26 Company should operate and best serve their respective areas. Consistent with the
27

1 Settlement Agreement provisions, the Company supports the transfer of Francisco
2 Grande Utilities Company and CP Water Company to Global.

3

4 **Q. PLEASE DESCRIBE ARIZONA WATER COMPANY'S EFFORTS TO**
5 **PROMOTE WATER CONSERVATION.**

6

7 A. Water Conservation is certainly a major component of my involvement in the water
8 resource-related areas described above. Arizona Water Company has been involved
9 in extensive efforts to inform its customers about the importance of, and need for,
10 water conservation and the responsible management of water resources. Arizona
11 Water Company regularly and consistently reduces usage of groundwater in each of
12 its systems through 1) the use of surface water supplies when available; 2) the use of
13 reclaimed water when such a resource can be used; and 3) the efficient use of all
14 sources of water through conservation, including the best management practices
15 conservation plan which Arizona Water Company has helped ADWR develop over
16 the last three years. Arizona Water Company also supports recharge of groundwater
17 supplies with appropriately treated effluent or reclaimed water.

18

19 **Q. HAS ARIZONA WATER COMPANY TAKEN STEPS TO USE RECLAIMED**
20 **WATER?**

21

22 A. Yes. Arizona Water Company's Superstition system has been providing reclaimed
23 water service since 1989. Additionally, Arizona Water Company has been working
24 closely with the City of Casa Grande in planning for the coordinated use of reclaimed
25 water in the City of Casa Grande's planning area where the City of Casa Grande
26 provides wastewater service. The City of Casa Grande and Arizona Water Company
27 jointly conducted a study on the use of reclaimed water in the Casa Grande area.

28

1 Formal agreements and plans are yet to be finalized, but even so, the City of Casa
2 Grande has expressed its desire for Arizona Water Company to be the primary
3 provider of reclaimed water service in the Casa Grande area. The City of Casa
4 Grande does not plan to provide wastewater service west of Montgomery Road.
5

6 Global's Palo Verde Utilities Company is planning to provide wastewater
7 service west of Montgomery Road in both the City of Casa Grande's planning area
8 and the Town of Maricopa's planning area (see Exhibit WMG5). Arizona Water
9 Company will provide reclaimed water service in all areas where Palo Verde Utilities
10 Company provides wastewater service and Arizona Water Company provides water
11 utility service. This is an especially important factor in these consolidated cases
12 involving the requested extension areas because coordinating the distribution of
13 reclaimed water for turf facilities and other purposes where reclaimed water can be
14 used will conserve groundwater and other renewable water supplies for potable
15 purposes. In fact, Arizona Water Company is working with the City of Casa Grande
16 and the consulting engineering firm for the Copper Mountain Ranch, an 8,000 acre
17 residential master-planned development (now known as Desert Color) to identify that
18 development's water supply and infrastructure needs including the reclaimed water
19 component and related infrastructure. Arizona Water Company will continue to work
20 with the City of Casa Grande and other wastewater providers in Arizona Water
21 Company's water service areas to implement similar solutions to integrated water and
22 wastewater resource planning.
23

24 In addition, Arizona Water Company and Southwest Water Company, a
25 wastewater service provider, joined in a Cooperative Service Agreement in 2002 to
26 provide wastewater service to developments served by Arizona Water Company that
27 need such services (see Cooperative Service Agreement dated November 18, 2002,
28

1 attached as Exhibit WMG6). Even with Arizona Water Company working jointly
2 with Global's Palo Verde Utilities Company to coordinate wastewater and water
3 service (including Arizona Water Company's provision of reclaimed water service in
4 the requested extension areas), the agreement with Southwest Water provides an
5 additional wastewater service provider in those areas where another wastewater
6 service provider is needed.

7
8 Finally, and most significantly for this proceeding, pursuant to their May 15,
9 2008 Settlement Agreement, Global will agree to supply reclaimed water to Arizona
10 Water Company from wastewater generated within Arizona Water Company's CCN,
11 if requested, for sale and delivery by Arizona Water Company within its CCN and
12 Planning Area. Global and Arizona Water Company also agreed to work
13 cooperatively in connection with Global's efforts to provide wastewater service in the
14 western part of Arizona Water Company's CCN and planning area where the City of
15 Casa Grande or other entities are not planning to provide wastewater service (see
16 Section 7 of Settlement Agreement, attached as Exhibit WMG3). In my opinion,
17 these commitments provide significant opportunities for Global and Arizona Water
18 Company, and the customers and municipalities they serve, to expand the use of
19 reclaimed water in Pinal County.

20
21 **Q. HAS ARIZONA WATER COMPANY MADE USE OF RENEWABLE**
22 **SURFACE WATER?**

23
24 **A.** Yes. Arizona Water Company has CAP allocations for both its Casa Grande and
25 Coolidge water systems, and will construct a surface water treatment plant to treat
26 CAP water for the Company's Pinal Valley Service Area. Moreover, Arizona Water
27 Company already serves untreated CAP surface water in its Superstition and Casa

1 Grande water systems. In addition to the use of untreated CAP water, Arizona Water
2 Company serves treated CAP water to customers in its Superstition water system and
3 will be delivering treated CAP water in its White Tank water system as well. Arizona
4 Water Company will be updating the Commission on the Company's CAP Water Use
5 Plan in the near future and the Company's plans to use CAP water in its Pinal Valley
6 Water System Planning Area.
7

8 Beyond the existing CAP water allocations for which Arizona Water
9 Company has 100-year contracts, Arizona Water Company has the potential to utilize
10 additional surface water supplies. These include surface water supplies allocated for
11 district lands within the Maricopa Water District (White Tank area), Maricopa
12 Stanfield Irrigation and Drainage District, Hohokam Irrigation and Drainage District,
13 and San Carlos Irrigation and Drainage District, as well as the non-Indian
14 Agricultural Priority CAP water resources referenced earlier. These surface water
15 supplies are available to Arizona Water Company in great part because of the location
16 of these irrigation district lands within Arizona Water Company's existing CCN and
17 Pinal Valley Water System Planning Area.
18

19 **Q. PLEASE DESCRIBE ARIZONA WATER COMPANY'S OPERATIONS IN**
20 **PINAL COUNTY, PARTICULARLY THE CASA GRANDE AND COOLIDGE**
21 **WATER SYSTEMS.**
22

23 **A.** Arizona Water Company's Casa Grande water system serves approximately 23,000
24 customers, including several large industrial customers. The Casa Grande water
25 system added approximately 3,900 customers since the beginning of 2006. The Casa
26 Grande water system has 19 wells with the capacity to produce approximately 24
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million gallons of water per day, and has approximately 15 million gallons of storage capacity.

Arizona Water Company's Coolidge water system serves approximately 4,600 customers. The Coolidge water system has the capacity to produce approximately six million gallons of water per day, and has a storage capacity of approximately two million gallons. Arizona Water Company's Coolidge water system added approximately 750 customers since the beginning of 2006.

As noted earlier, Exhibit WMG7 is a chart showing customer growth in Arizona Water Company's Casa Grande and Coolidge water systems as well as the total Company.

Q. WHY ARE THE RESOURCES OF BOTH THE CASA GRANDE AND COOLIDGE WATER SYSTEMS RELEVANT TO THIS CCN APPLICATION?

A. Arizona Water Company has completed an interconnection of its Casa Grande and Coolidge systems. Full consolidation of the rates and operations of these two water systems will be completed after Arizona Water Company's rate application is approved in Docket No. W-01445A-08-0440. Once the two systems are fully consolidated in the rate application, the resources of both systems, including water production, storage and increased fire flow capacities, will be available to serve the requested extension area. This is important because a single consolidated water system will operate more efficiently and reliably and thereby reduce costs that two water systems typically would incur when operated separately. Water system personnel can be used to operate the consolidated system in more efficient ways. For

1 example, an employee in each separate system responding to customer call-outs after
2 hours can be replaced with one employee to respond to such calls in the consolidated
3 system. More importantly, however, these interconnected water systems would share
4 common sources of water supply, such as treated CAP water and groundwater. Also,
5 the consolidated water system would achieve greater flexibility not available to stand-
6 alone water systems that would enhance the development of water resources where
7 regulatory and physical barriers previously existed. In addition, in areas where
8 reclaimed water is used for groundwater recharge, having a larger geographic area
9 provides greater opportunity to plan for more effective groundwater recharge and
10 recovery methods. Moreover, where an area's water supply is limited due to shallow
11 bedrock, poor water quality, or low permeability, having more areas from which to
12 develop and plan water supplies will allow fuller integration of available resources,
13 and ultimately yield a lower cost of service to the consolidated system's customers.

14
15 **Q. PLEASE DISCUSS ARIZONA WATER COMPANY'S MASTER PLAN FOR**
16 **THE PROVISION OF WATER UTILITY SERVICE TO THIS AREA.**

17
18 **A.** Arizona Water Company has completed, and makes periodic updates to, its Pinal
19 Valley Water System Master Plan (the "Master Plan"), providing for water
20 production, transmission and distribution infrastructure and water storage, treatment
21 and other infrastructure. Another element of the Master Plan is water resource
22 planning. Planning for the efficient distribution of potable water is important, as is
23 the distribution of reclaimed water and other non-potable water supplies. It is also
24 prudent to plan for the recharge of reclaimed water or treated effluent, all of which
25 takes on an important priority when it comes to planning for an area as large as
26 Arizona Water Company's Pinal Valley Water System Planning Area. Planning at

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the earliest stage helps to avoid unnecessary redundancy, rebuilding, and modifications to planning.

Q. PLEASE EXPLAIN WHY ARIZONA WATER COMPANY HAS DEVELOPED SUCH A MASTER PLAN?

A. As I previously explained, long-range planning is very necessary in the water utility business. Arizona Water Company's objective is to plan for and assure that the Company is able to meet the water supply needs of growth in the Pinal Valley area, to ensure that all of the Company's customers, both existing and new customers, have reliable and cost efficient water utility service.

As stated above, on December 29, 2006, Arizona Water Company provided the Commission with a copy of a detailed CAP Water Use Plan discussing all existing water supplies and demand patterns, how and when CAP water will be used through the year 2025, all future water sources that the Company plans to use, all major infrastructure components required to use CAP water, projected capital and operating and maintenance costs for future water supplies and numerous other matters. Pursuant to recently enacted A.R.S. §45-330 et seq., public water systems such as Arizona Water Company, submitted detailed water plans (including a water supply plan, drought preparation plan and water conservation plan) to the director of ADWR beginning in January of 2007 and will update these plans every fifth calendar year thereafter. In other words, Arizona Water Company's planning for the future growth and development of its water systems coincides with statewide public planning goals to provide for growth in Arizona.

1 Q. DOES ARIZONA WATER COMPANY HAVE FRANCHISES THAT
2 INCLUDE THE PROPOSED CCN EXPANSION AREA?

3
4 A. Yes. Arizona Water Company has a City of Casa Grande franchise and a Pinal
5 County franchise. Copies of both franchises were included with Arizona Water
6 Company's March 29, 2006 application, attached as Exhibit WMG1. These
7 franchises cover all of the CCN area Arizona Water Company proposes to add
8 pursuant to this Case and the Settlement Agreement.

9
10 Q. DOES ARIZONA WATER COMPANY HAVE A FILED AND APPROVED
11 SERVICE CURTAILMENT TARIFF THAT INCLUDES THE PROPOSED
12 CCN EXPANSION AREA?

13
14 A. Yes. Arizona Water Company has a filed and approved tariff that applies company-
15 wide.

16
17 Q. IS ARIZONA WATER COMPANY CURRENT ON THE PAYMENT OF ALL
18 OF ITS PROPERTY AND SALES TAXES?

19
20 A. Yes, all such payments are current.

21
22 Q. IS IT CORRECT THAT ARIZONA WATER COMPANY TAKES A
23 REGIONAL VIEW OF WATER ISSUES?

24
25 A. Yes. Arizona Water Company continually plans on a regional basis to serve its
26 current and future customers. The Company plans ahead so that when potential
27 customers outside the Company's CCN area require water service, the Company is

1 able to meet their needs while continuing to provide reliable and cost-effective
2 service to existing customers. As a public service corporation, Arizona Water
3 Company has a duty to provide public utility water service to customers within the
4 Company's CCN and to be prepared to provide service to customers outside of, but
5 proximate to, the Company's CCN areas.

6
7 **Q. CAN YOU DESCRIBE ARIZONA WATER COMPANY'S WATER**
8 **RESOURCES THAT ARE AVAILABLE TO SERVE THE AREAS WHICH**
9 **ARE THE SUBJECT OF THIS APPLICATION?**

10
11 **A.** Yes. Arizona Water Company's Casa Grande system currently has the capacity to
12 produce 24 million gallons of groundwater per day. In addition to that capacity,
13 Arizona Water Company developed and filed a demonstration of physical availability
14 with ADWR that shows the availability of approximately 62,000 acre-feet of
15 groundwater per year for the next 100 years for the Company's Casa Grande water
16 system. Arizona Water Company also has an allocation of 8,884 acre-feet per year of
17 CAP water for the Casa Grande water system. In the Coolidge water system, the
18 same physical availability demonstration shows the availability of an additional
19 13,510 acre-feet of groundwater per year for the next 100 years. Arizona Water
20 Company also has an allocation of 2,000 acre-feet per year of CAP water for the
21 Coolidge water system.

22
23 In addition, Arizona Water Company developed and filed an updated physical
24 availability demonstration with ADWR for Arizona Water Company's Pinal Valley
25 water systems that shows a total groundwater supply of at least 120,000 acre-feet of
26 groundwater available annually for at least one hundred years to meet the needs of
27 current and future Arizona Water Company water customers. When combined with

1 reclaimed water, CAP water, and available irrigation district water, over 250,000
2 acre-feet of water supplies are available annually for at least one hundred years to
3 meet the water needs of customers in Arizona Water Company's Pinal Valley water
4 systems and its Pinal Valley Water System Planning Area.

5
6 **Q. IS ARIZONA WATER COMPANY REQUESTING CERTAIN SPECIFIC**
7 **APPROVALS FROM THE COMMISSION IN THIS CONSOLIDATED**
8 **CASE?**

9
10 A. Yes. Arizona Water Company is specifically requesting that the Commission
11 approve (and Global fully supports) a CCN for the area described in Exhibit 1 and
12 illustrated on Exhibit 2 to Arizona Water Company's July 21, 2008 Amendment to the
13 Application, and that the Commission approve the Amended Planning Area
14 illustrated on Exhibit 2 to the 2008 Amendment to the Application which Global also
15 fully supports. As noted in the Settlement Agreement, the Amended Planning Area is
16 located in an area that has limited access to surface water resources and has projected
17 significant customer growth. Consequently, the rising demands on water resources
18 require long-term water resource and service area planning to assure that current and
19 future customers continue to receive reliable water service. In my view, these facts
20 require both Global and Arizona Water Company to plan, design, construct, finance
21 and operate water supply, treatment, storage, and transmission and distribution
22 infrastructure to meet the public water supply requirements in their respective
23 existing and expanded CCN areas and Amended Planning Areas, in a coordinated
24 way as anticipated in the Settlement Agreement. Therefore, approval of the expanded
25 CCN and Amended Planning Areas is consistent with Arizona Water Company's
26 historic planning for, and provision of water service to the Company's Pinal Valley
27 Water Service Area.

1 Q. **WHAT IS THE SIGNIFICANCE OF ARIZONA WATER COMPANY'S**
2 **AMENDED PLANNING AREA?**

3
4 A. The Amended Planning Area is significant because it provides a planning area
5 boundary within which Arizona Water Company can prepare detailed plans to
6 effectively meet the water needs of all present and future customers in such an area.
7 Not only will Arizona Water Company develop detailed plans for providing potable
8 water service, but it will also be able to plan for the provision of reclaimed water
9 service to the area. While the Commission's approval or recognition of Arizona
10 Water Company's Amended Planning Area is not the same as that of a formally
11 approved CCN, it nonetheless allows a degree of certainty that will greatly benefit
12 the future planning process for Arizona Water Company, governmental entities and
13 the public. Planning for the regional water needs of an area provides the Commission
14 (and the ratepayers) with greater assurance that the growing water needs of the
15 subject area will be effectively addressed and timely provided.

16
17 Q. **HAS ARIZONA WATER COMPANY RECEIVED REQUESTS FOR WATER**
18 **SERVICE FOR THE EXTENSION AREA IT HAS REQUESTED?**

19
20 A. Yes. Arizona Water Company has directly received requests for water service from
21 property owners covering approximately 175 acres. In addition, specific requests for
22 water service to approximately 19,373 acres, which Global has agreed should be
23 served by Arizona Water Company (submitted with Santa Cruz Water Company's
24 application), show that there is a present need for water utility service. While other
25 areas in the requested extension area do not have specific requests, Arizona Water
26 Company has included all those areas in its application because the need for
27 comprehensive regional planning and sound public policy strongly favor, if not

1 require, including them in Arizona Water Company's CCN. Global expressly agrees.
2 In a Staff Report in Docket No. W-01445-06-0059, Staff outlined nine factors to
3 consider when determining whether to include an area with no request for service in a
4 CCN:

- 5
- 6 1. Whether inclusion of the area could reasonably be expected to
7 contribute to operational efficiencies.
- 8
- 9 2. Whether exclusion of the area could reasonably be expected to result
10 in operational inefficiencies.
- 11
- 12 3. Whether there is a competing application for the area.
- 13
- 14 4. Whether a customer in the area requests to be excluded and the nature
15 of the request.
- 16
- 17 5. Whether the area is contiguous to the company's current service
18 territory.
- 19
- 20 6. Whether the requested area 'squares off' the service territory or fills in
21 holes in the service territory.
- 22
- 23 7. Whether the company is financially sound.
- 24
- 25 8. Whether the company at issue is in compliance with Commission
26 decisions, ADEQ and ADWR.
- 27
- 28

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9. Other showings by the company at issue that it is in the public interest to approve the extension.

These factors support awarding Arizona Water Company the agreed-upon requested extension area. All of the requested extension area falls within Arizona Water Company's existing franchise areas, Arizona Water Company's Pinal Valley Water System Planning Area, and Master Plan. Extending Arizona Water Company's CCN into the areas, which are a logical extension of growth, advance worthy public policy goals. With Commission approval of the CCN for the requested extension area, Arizona Water Company would be able to effectively develop a comprehensive regional plan for all of the area's water needs, including both potable and reclaimed water, in a definitive and predictable way, and the Company will be able to effectively pursue acquisition of additional water supplies with greater certainty for the planning area as recognized or approved by the Commission.

Q. DID ARIZONA WATER COMPANY MAIL NOTICE OF THE HEARING IN THIS MATTER?

A. Yes, we did. The form of notice that was contained in the October 21, 2008 procedural order was mailed to each property owner in the revised CCN expansion area that is contained in the Company's July 21, 2008 amended application.

Q. HOW DID THE COMPANY DETERMINE THAT THE PROPERTY OWNER LIST IT USED WAS CORRECT?

A. Before the notice was mailed, the Company checked with the Pinal County Assessor's office and the State of Arizona to obtain the latest property owner

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information for each parcel of real property located in the proposed CCN expansion area. This updated list was used to mail out the notice.

Q. DID THE COMPANY RECEIVE ANY OBJECTIONS FROM ANY PROPERTY OWNER TO WHOM NOTICE OF THE HEARING WAS MAILED?

A. No, we did not receive any objections.

Q. IS ARIZONA WATER COMPANY ABLE TO PROVIDE A BROAD RANGE OF WATER SUPPLIES TO ITS REQUESTED CCN EXTENSION AREA?

A. Yes. Extensive growth is occurring over a wide geographic area in Pinal County. Obviously, there are areas with plentiful water and areas where water is scarce. The quality of water also varies from one area to another. Because of its geographical extent and size, Arizona Water Company has a wide range of groundwater sources, as well as significant CAP water allocations, that are available to meet customer demands; and with its fully integrated and consolidated Pinal Valley water system, the Company will be able to reliably and efficiently deliver those supplies throughout the region in which the Company provides service.

1 **Q. HOW WILL ARIZONA WATER COMPANY'S PLANNED CONSTRUCTION**
2 **OF A CAP WATER TREATMENT PLANT AFFECT ITS ABILITY TO**
3 **SERVE THE REQUESTED CCN EXTENSION AREA?**

4
5 A. Arizona Water Company has already purchased the treatment plant site, which is
6 southeast of Coolidge, approximately one-half mile from the CAP canal. Arizona
7 Water Company plans to use that plant as a regional water treatment plant to treat its
8 Casa Grande and Coolidge CAP water allocations. More detailed and updated plans
9 on this CAP water treatment plant will be available when Arizona Water Company
10 files its updated CAP Water Use Plan with the Commission. Once the CAP water
11 treatment plant is completed, treated CAP water would be available to meet water
12 supply needs throughout the requested CCN extension area.

13
14 **Q. CAN YOU DESCRIBE ARIZONA WATER COMPANY'S EXPERIENCE IN**
15 **WORKING WITH ENTITIES PROVIDING SEWER SERVICE?**

16
17 A. Yes. Arizona Water Company works with a number of entities that provide
18 wastewater treatment and sewer services within Arizona Water Company's CCN
19 areas, including both private and municipal sewer service providers. Arizona Water
20 Company has entered into agreements with sewer service providers to achieve
21 efficiencies in billing by, for example, providing information to sewer service
22 providers about new water customers. The Company also works with sewer service
23 providers on integrated approaches for the delivery of effluent or reclaimed water to
24 turf facilities, and will be able to achieve even greater uses of reclaimed water in the
25 requested CCN extension area and planning areas through its relationships with the
26 City of Casa Grande and Palo Verde Utilities Company.

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In addition, as set forth above, Arizona Water Company is working with the City of Casa Grande to plan for and incorporate reclaimed water service, including deliveries of reclaimed water for direct customer use and groundwater recharge and recovery operations, into its water resource master planning. Arizona Water Company will work similarly with other sewer service providers within its Pinal Valley Water Service Area.

Q. WHAT RATES WILL ARIZONA WATER COMPANY APPLY IN THE CCN EXTENSION AREA?

A. Arizona Water Company will apply its Casa Grande rates within the CCN extension area. However, in its pending rate application (Docket No. W-01445A-08-0440), Arizona Water Company is proposing to consolidate its Casa Grande, Coolidge and Stanfield rates into one rate. Once consolidated, this larger system will benefit from improved long-term rate stability. When new rates are approved in Arizona Water Company's pending rate application, the Company's rates in its Pinal Valley Water Service Area will still be lower than most other water providers in Pinal County.

Q. DOES THIS COMPLETE YOUR PREPARED DIRECT TESTIMONY?

A. Yes, it does.

EXHIBITS

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- WMG1 Arizona Water Company's CCN Extension Application and supporting materials.
- WMG2 July 21, 2008 Amendment to Arizona Water Company's CCN Extension Application.
- WMG3 Settlement Agreement with Global Water Resources.
- WMG4 Arizona Water Company's CAP Water Use Plan.
- WMG5 Map of Arizona Water Company's Pinal Valley Water System Planning Area.
- WMG6 Cooperative Service Agreement with Southwest Water Company.
- WMG7 Arizona Water Company's Customer Growth Charts.

WMIG-1

RECEIVED

BEFORE THE ARIZONA CORPORATION COMMISSION

2006 MAR 29 P 3: 55

AZ CORP COMMISSION
DOCUMENT CONTROL

COMMISSIONERS

JEFF HATCH-MILLER - Chairman
WILLIAM A. MUNDELL
MARC SPITZER
MIKE GLEASON
KRISTIN K. MAYES

IN THE MATTER OF THE APPLICATION
OF ARIZONA WATER COMPANY, AN
ARIZONA CORPORATION, TO EXTEND
ITS EXISTING CERTIFICATE OF
CONVENIENCE AND NECESSITY IN THE
CITY OF CASA GRANDE AND IN PINAL
COUNTY, ARIZONA

DOCKET NO. W-01445A-06-

APPLICATION TO EXTEND EXISTING
CERTIFICATE OF CONVENIENCE
AND NECESSITY TO INCLUDE
ADDITIONAL TERRITORY

ARIZONA WATER COMPANY, an Arizona corporation, ("AWC") through its undersigned counsel, presents the following Application to extend its existing Certificate of Convenience and Necessity ("CC&N") for its Casa Grande system. This Application is based on the following:

1. AWC presently holds CC&Ns issued by the Arizona Corporation Commission (the "Commission") in various decisions beginning in 1955, authorizing AWC to provide water utility service in the City of Casa Grande and the surrounding area in Pinal County, Arizona.

2. AWC is a long-established Arizona public service water utility corporation having been engaged in the business of providing water service for over fifty years.

1 AWC serves approximately 80,000 customers throughout the state, including some
2 19,000 customers in the Casa Grande area. Statewide, AWC operates 22 water
3 systems in eight counties, produces over 80 million gallons of water per day, and has
4 gross utility plant in excess of \$261 million.

5
6
7 3. The area that AWC seeks to add to its CC&N in this Application is
8 described in Exhibit 1 hereto. The area described in Exhibit 1 is adjacent to areas
9 presently certificated to and served by AWC as well as areas pending to be certificated
10 as shown in Exhibit 2 hereto.

11
12 4. AWC presently owns and operates water system facilities in the vicinity of
13 the area described in Exhibit 1 that are used to serve existing customers, and will be
14 used to provide service to future customers.

15
16
17 5. Certain property owners or property owner representatives have
18 requested that water service be provided to their properties, which are included within
19 the area to be added to AWC's CC&N as described in Exhibit 1 and shown in Exhibit 2.
20 Copies of letters from, or on behalf of the property owners, are attached as Exhibit 3
21 hereto.

22
23
24 6. AWC estimates the total number of customers to be served in the area
25 described in Exhibit 1 will be approximately 4,050 within five years following the date of
26 the filing of this Application.

1 7. The area described in Exhibit 1 is included in AWC's Pinal Valley (i.e.,
2 Casa Grande, Coolidge, Stanfield, Tierra Grande and surrounding areas) Master Plan.
3 AWC also has a physical availability determination of approximately 76,000 acre feet of
4 groundwater supplies and approximately 11,000 acre feet of Central Arizona Project
5 surface water supplies available for its Pinal Valley water systems that include the area
6 described in Exhibit 1. Thus, AWC has developed plans to serve the area described in
7 Exhibit 1.
8

9
10 8. AWC is financially able to design, construct, operate and maintain the
11 water system facilities necessary to provide service to the area described in Exhibit 1
12 and refund to developers advances in aid of construction. AWC's latest financial
13 statement is attached as Exhibit 4 hereto.
14

15
16 9. AWC plans to finance the additional utility facilities required for extending
17 water service to the area described in Exhibit 1 with Company funded additions to utility
18 plant through advances in aid of construction pursuant to main extension agreements,
19 as appropriate. A copy of AWC's Standard Main Extension Agreement is attached as
20 Exhibit 5 hereto.
21

22 10. The property owners who signed the letters included in Exhibit 3 hereto
23 will be mailed the public notice attached as Exhibit 6 hereto, with general notice to all
24 property owners within the area described in Exhibit 1 provided by publishing the public
25 notice in the Casa Grande Dispatch immediately following the filing of this Application.
26
27

1 11. A portion of the area described in Exhibit 1 is located within the municipal
2 boundaries of the City of Casa Grande and the remainder is located within
3 unincorporated areas of Pinal County. AWC has a Casa Grande City Franchise for the
4 area within municipal boundaries and a Pinal County Franchise for the area located
5 within unincorporated areas for which it is proposing to extend its CC&N. Copies of the
6 franchises are attached as Exhibits 7 and 8 hereto.
7

8
9 12. AWC's By-Laws do not require a corporate resolution in conjunction with
10 this Application.
11

12 13. A certificate of good standing for AWC is attached as Exhibit 9 hereto.
13

14 14. An updated Commission Utilities Division Extension Agreement Data
15 Sheet for the Casa Grande system is attached as Exhibit 10 hereto.
16

17
18 15. A copy of the most recent compliance status report from the Arizona
19 Department of Environmental Quality for the Casa Grande system is attached as Exhibit
20 11 hereto.
21

22 16. AWC proposes to apply its currently authorized Casa Grande system
23 rates and charges for service to the area described in Exhibit 1. AWC will continue to
24 charge these rates until the Commission changes the rates. A copy of AWC's current
25 Casa Grande General Service Tariff is attached as Exhibit 12 hereto.
26

1 17. Public convenience and necessity will be served by having AWC extend
2 its CC&N to include the area described in Exhibit 1.

3
4 WHEREFORE, AWC respectfully requests that the Commission hold a hearing
5 on this Application, and enter an order, or, in the alternative, that it enter an order
6 without the necessity of a hearing, which order shall provide for the following:
7

8
9 1. Issuing to AWC a Certificate of Convenience and Necessity for the area
10 described in Exhibit 1 hereto.

11
12 2. Granting such other further relief as may be appropriate.
13

14 RESPECTFULLY SUBMITTED this 29th day of March, 2006.

15
16 ARIZONA WATER COMPANY

17
18 By: Robert W. Geake
19 Robert W. Geake
20 Vice President and General Counsel
21 ARIZONA WATER COMPANY
22 Post Office Box 29006
23 Phoenix, Arizona 85038-9006

24 and

25 Steven A. Hirsch
26 Rodney W. Ott
27 BRYAN CAVE LLP
28 Two North Central Avenue, Ste. 2200
Phoenix, Arizona 85004-4406

1 Original and thirteen (13) copies of the foregoing filed this 29th day of March, 2006 with:

2

3 Docket Control Division
4 Arizona Corporation Commission
5 1200 West Washington Street
6 Phoenix, Arizona 85007

7 A copy of the foregoing was mailed this 29th day of March, 2006 to:

8 Christopher Kempley, Chief Counsel
9 Legal Division
10 Arizona Corporation Commission
11 1200 West Washington Street
12 Phoenix, Arizona 85007

13 Ernest G. Johnson
14 Director, Utilities Division
15 Arizona Corporation Commission
16 1200 West Washington Street
17 Phoenix, Arizona 85007

18

19

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By: Robert W. Decker

21

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EXHIBIT 1

CC&N this Application Legal Description

T.5S.,R4E.

The East half of Section 10, 11, 12, 13, 14, the East half of Section 15, the East half of Section 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36 all in Township 5 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona, EXCEPT any portion lying with the Ak Chin Indian Reservation.

T.5S.,R.5E.

Sections 17, 18, 19, 20, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36 all in Township 5 South, Range 5 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

T.6S.,R.3E.

Sections 1, 11, 12, 14, 23, 26, and 35 all in Township 6 South, Range 3 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

T.6S.,R.4E.

Sections 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12 all in Township 6 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

T.6S.,R.5E.

Sections 5, 6, 7, and 8 all in Township 6 South, Range 5 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

T.7S.,R.3E.

Sections 1, 12, 13, 24, 25, and 36 all in Township 7 South, Range 3 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

T.7S.,R.4E.

Sections 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36 all in Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

EXHIBIT 1

**CC&N this Application
Legal Description
continued**

T.7S.,R.5E.

Sections 13, the East half of Section 14, the West half of Section 15, 16, 17, 18, 19, 20, 21, 22, 23, and 24 all in Township 7 South, Range 5 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

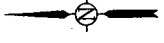
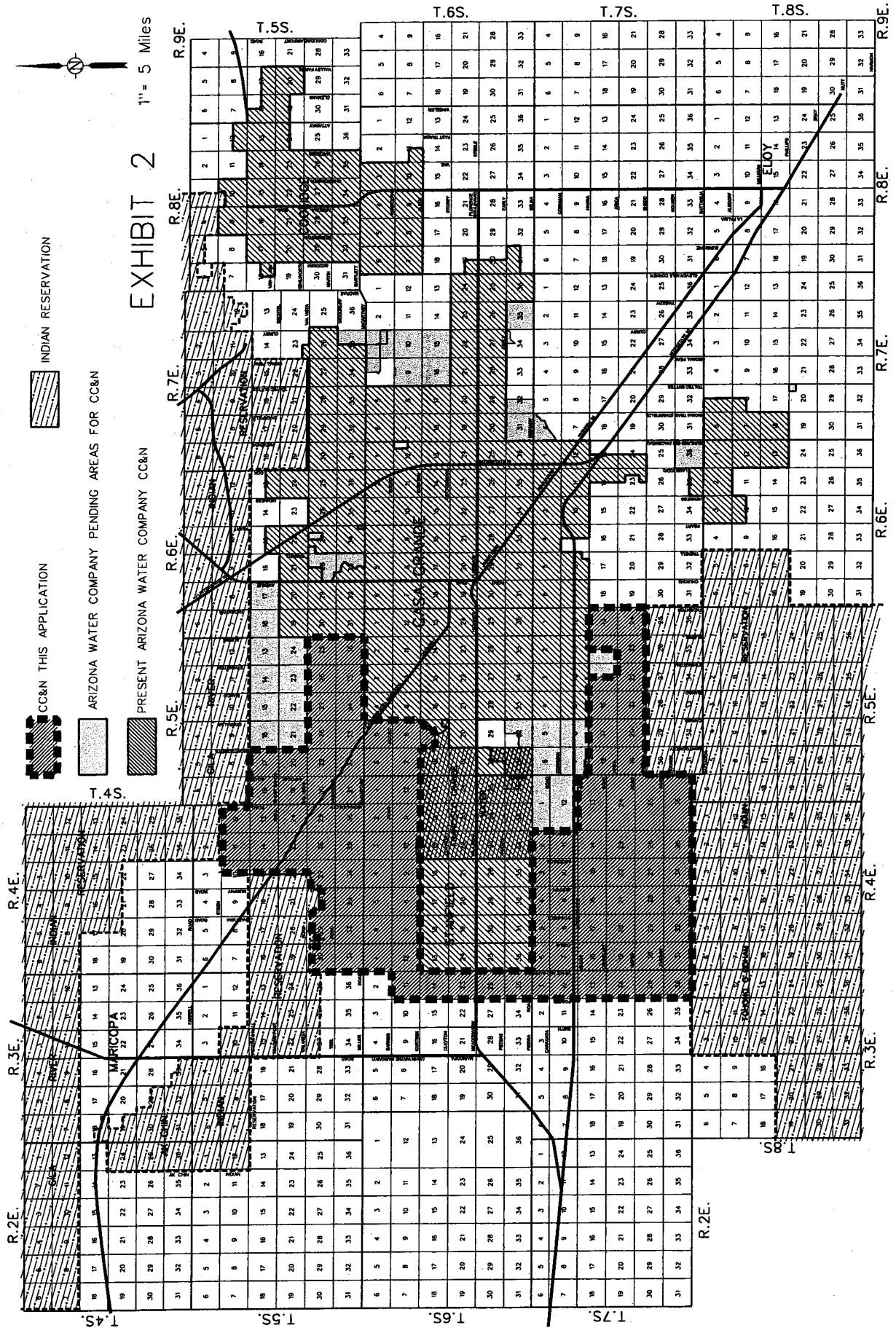


EXHIBIT 2

1" = 5 Miles



CC&N THIS APPLICATION



INDIAN RESERVATION



ARIZONA WATER COMPANY PENDING AREAS FOR CC&N



PRESENT ARIZONA WATER COMPANY CC&N



R.2E. R.3E. R.4E. R.5E. R.6E. R.7E. R.8E. R.9E.

T.4S. T.5S. T.6S. T.7S. T.8S.

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FROM-Orlando.Mitts and Moore

408-278-0318

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P.003/003

F-365

November 21, 2005

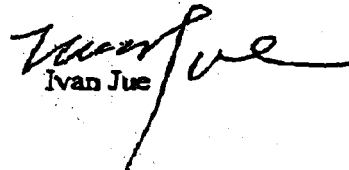
Mike Whitehead
Vice President, Engineering
Arizona Water Company
P.O. Box 29006
Phoenix, Arizona 85038-9006

Re: Extension Of CC&N for Ivan Jue, Casa Grande AZ.

Dear Mr. Whitehead,

Ivan Jue requests to be included in your next application to extend its Certificate of Convenience and Necessity in or near Casa Grande, Pinal, Arizona with the Arizona Corporation Commission to include an overall area of 35 acres, which is more accurately described in Attachment 'A' and depicted on the map as Attachment 'B', both attached hereto. Please notify us when you have been issued a Procedural Order on this extension.

Sincerely,


Ivan Jue

Attachment B. "A"



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

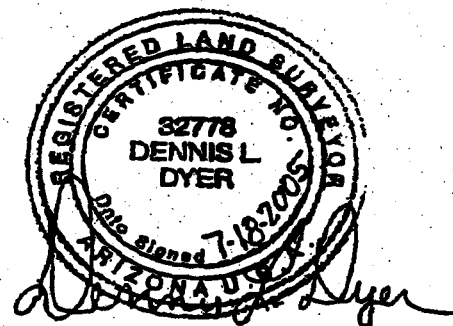
337 N. ARIZONA AVENUE
CHANDLER AZ 8522

(480) 963-648
FAX (480) 812-914

July 9, 2005

Job No. 050511PC-1

LEGAL DESCRIPTION
FOR
IVAN JUE
PARCEL C-1
7.349 AC M/L
GROSS



That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;
Commencing at the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258; thence N. 0 deg. 15' 43" W., (basis of bearings), along the Easterly line of the said NE ¼ of Section 13, a distance of 742.46 feet to the SE Corner of Parcel 'C' of a survey recorded in Book 13 of Surveys Page 156, Pinal County Records, being marked by a cotton picker spindle, said point also being the TRUE POINT OF BEGINNING; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'C', a distance of 556.59 feet to a point from which the SW Corner of said Parcel 'C', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 2094.34 feet distant therefrom; thence N. 0 deg. 15' 18" W., 575.18 feet to a point on the Northerly line of said Parcel 'C', and from which point the NW Corner of said Parcel 'C', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 2094.10 feet distant therefrom; thence N. 89 deg. 39' 32" E, along the said Northerly line of Parcel 'C' a distance of 556.52 feet to the NE Corner of said Parcel 'C', being marked by a cotton picker spindle and from which point the NE Corner of said Section 13, being marked by a an Arizona Highway Department brass cap in hand hole, bears N. 0 deg. 15' 43" W., 1349.34 feet distant therefrom; thence S. 0 deg. 15' 43" E., 575.18 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for roadway over the Easterly 33.00 feet thereof as recorded in Docket 375 Page 573, Pinal County Records.

Also

Subject to an easement for Ingress, Egress and Public Utilities over the Northerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

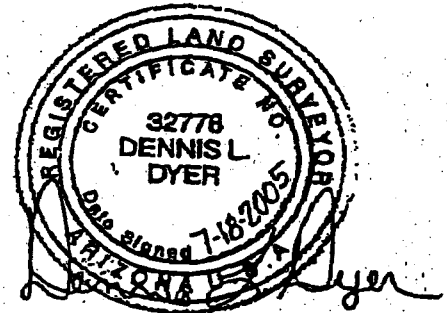
337 N. ARIZONA AVENUE
CHANDLER AZ 852

(480) 963-64
FAX (480) 812-91

July 9, 2005

Job No. 050511PC-2

LEGAL DESCRIPTION
FOR
IVAN JUE
PARCEL C-2
6.913 AC M/L
GROSS



That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;
Commencing at the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258; thence N. 0 deg. 15' 43" W., (basis of bearings), along the Easterly line of the said NE ¼ of Section 13, a distance of 742.46 feet to the SE Corner of Parcel 'C' of a survey recorded in Book 13 of Surveys Page 156, Pinal County Records, being marked by a cotton picker spindle, and from which point the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole, bears N. 0 deg. 15' 43" W., 1924.52 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'C', a distance of 556.59 feet to the TRUE POINT OF BEGINNING; thence continuing S. 89 deg. 39' 32" W., 523.58 feet to a point from which the SW Corner of said Parcel 'C', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 1570.76 feet distant therefrom; thence N. 0 deg. 15' 00" W., 575.18 feet to a point on the Northerly line of said Parcel 'C', and from which point the NW Corner of said Parcel 'C', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 1570.57 feet distant therefrom; thence N. 89 deg. 39' 32" E., along the said Northerly line of Parcel 'C', a distance of 523.53 feet to a point from which the NE Corner of said Parcel 'C', being marked by a cotton picker spindle, bears N. 89 deg. 39' 32" E., 556.52 feet distant therefrom; thence S. 0 deg. 15' 18" E., 575.18 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for Ingress, Egress and Public Utilities over the Northerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

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PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

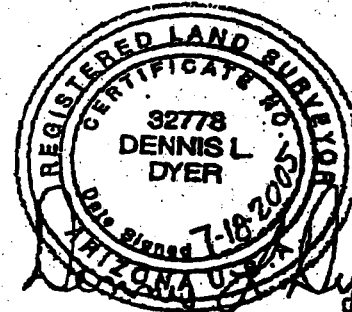
337 N. ARIZONA AVENUE
CHANDLER AZ 85226

(480) 963-6481
FAX (480) 812-9146

July 9, 2005

Job No. 050511PC-3

LEGAL DESCRIPTION
FOR
IVAN JUE
PARCEL C-3
6.913 AC M/L
GROSS



That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258; thence N. 0 deg. 15' 43" W., (basis of bearings), along the Easterly line of the said NE ¼ of Section 13, a distance of 742.46 feet to the SE Corner of Parcel 'C' of a survey recorded in Book 13 of Surveys Page 156, Pinal County Records, being marked by a cotton picker spindle, and from which point the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole, bears N. 0 deg. 15' 43" W., 1924.52 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'C', a distance of 1080.17 feet to the TRUE POINT OF BEGINNING; thence continuing S. 89 deg. 39' 32" W., 523.59 feet to a point from which the SW Corner of said Parcel 'C', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 1047.17 feet distant therefrom; thence N. 0 deg. 14' 35" W., 575.18 feet to a point on the Northerly line of said Parcel 'C', and from which point the NW Corner of said Parcel 'C', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 1047.05 feet distant therefrom; thence N. 89 deg. 39' 32" E., along the said Northerly line of Parcel 'C', a distance of 523.52 feet to a point from which the NE Corner of said Parcel 'C', being marked by a cotton picker spindle, bears N. 89 deg. 39' 32" E., 1080.05 feet distant therefrom; thence S. 0 deg. 15' 00" E., 575.18 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for Ingress, Egress and Public Utilities over the Northerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

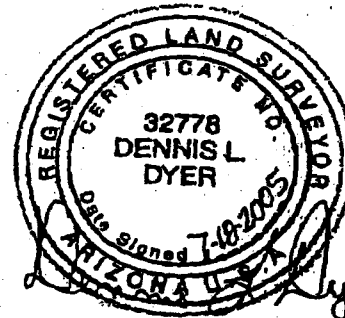
337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX (480) 812-9140

July 9, 2005

Job No. 050511PC-4

LEGAL DESCRIPTION
FOR
IVAN JUE
PARCEL C-4
6.913 AC M/L
GROSS



That part of the NE $\frac{1}{4}$ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;
Commencing at the E $\frac{1}{4}$ Corner of said Section 13, being marked by a 5/8" bar, LS 17268; thence N. 0 deg. 15' 43" W., (basis of bearings), along the Easterly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 742.46 feet to the SE Corner of Parcel 'C' of a survey recorded in Book 13 of Surveys Page 156, Pinal County Records, being marked by a cotton picker spindle, and from which point the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole, bears N. 0 deg. 15' 43" W., 1924.52 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'C', a distance of 1603.76 feet to the TRUE POINT OF BEGINNING; thence continuing S. 89 deg. 39' 32" W., 523.58 feet to a point from which the SW Corner of said Parcel 'C', being marked by a 1/2" bar, LS 32778, bears S. 89 deg. 39' 32" W., 523.59 feet distant therefrom; thence N. 0 deg. 14' 17" W., 575.18 feet to a point on the Northerly line of said Parcel 'C', and from which point the NW Corner of said Parcel 'C', being marked by a 1/2" bar, LS 32778, bears S. 89 deg. 39' 32" W., 523.52 feet distant therefrom; thence N. 89 deg. 39' 32" E., along the said Northerly line of Parcel 'C', a distance of 523.53 feet to a point from which the NE Corner of said Parcel 'C', being marked by a cotton picker spindle, bears N. 89 deg. 39' 32" E., 1603.57 feet distant therefrom; thence S. 0 deg. 14' 35" E., 575.18 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for Ingress, Egress and Public Utilities over the Northerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

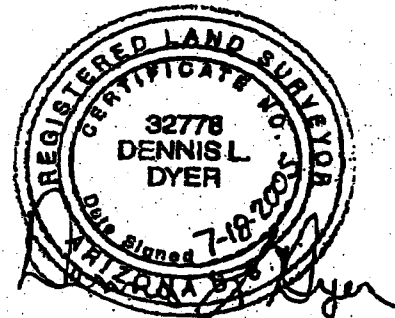
July 9, 2005

Job No. 050511PC-5

337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX (480) 812-9140

LEGAL DESCRIPTION
FOR
IVAN JUE
PARCEL C-5
6.913 AC M/L
GROSS



That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;
Commencing at the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258; thence N. 0 deg. 15' 43" W., (basis of bearings), along the Easterly line of the said NE ¼ of Section 13, a distance of 742.46 feet to the SE Corner of Parcel 'C' of a survey recorded in Book 13 of Surveys Page 156, Pinal County Records, being marked by a cotton picker spindle, and from which point the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole, bears N. 0 deg. 15' 43" W., 1924.52 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'C', a distance of 2127.34 feet to the TRUE POINT OF BEGINNING; thence continuing S. 89 deg. 39' 32" W., 523.59 feet to the SW Corner of said Parcel 'C', being marked by a ½" bar, LS 32778 and from which point the Center of said Section 13, being marked by a 1 ½" aluminum cap, LS 19847, bears S. 0 deg. 13' 53" E., 736.33 feet distant therefrom; thence N. 0 deg. 13' 53" W., along the North-South Mid-Section line of said Section 13, a distance of 575.18 feet to the NW Corner of said Parcel 'C' being marked by a ½" bar, LS 32778 and from which point the N ¼ Corner of said Section 13, being marked by a 5/8" bar with Pinal County plastic cap, bears N. 0 deg. 13' 53" W., 1349.34 feet distant therefrom; thence N. 89 deg. 39' 32" E., along the Northerly line of said Parcel 'C', a distance of 523.52 feet to a point from which the NE Corner of said Parcel 'C', being marked by a cotton picker spindle, bears N. 89 deg. 39' 32" E., 2127.10 feet distant therefrom; thence S. 0 deg. 14' 17" E., 575.18 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for Ingress, Egress and Public Utilities over the Northerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

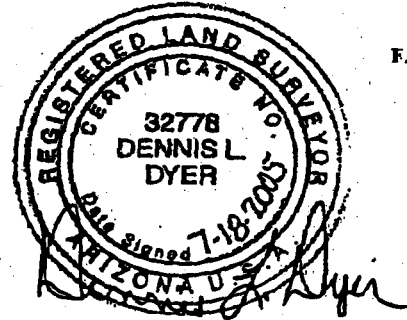
TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX (480) 812-9140

July 9, 2005

Job No. 050511EA



LEGAL DESCRIPTION
FOR
IVAN JUE

23' EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES

An easement for Ingress, Egress and Public Utilities over the Northerly 23.00 feet of that part of the NE $\frac{1}{4}$ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the E $\frac{1}{4}$ Corner of said Section 13, being marked by a 5/8" bar, LS 17258; thence N. 0 deg. 15' 43" W., (basis of bearings), along the Easterly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 742.46 feet to the SE Corner of Parcel 'C' of a survey recorded in Book 13 of Surveys Page 156, Pinal County Records, being marked by a cotton picker spindle, said point also being the TRUE POINT OF BEGINNING; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'C', a distance of 2650.93 feet to the SW Corner of said Parcel 'C', being marked by a $\frac{1}{2}$ " bar, LS 32778 and from which point the Center of said Section 13, being marked by a 1 $\frac{1}{2}$ " aluminum cap, LS 19847, bears S. 0 deg. 13' 53" E., 736.33 feet distant therefrom; thence N. 0 deg. 13' 53" W., along the North-South Mid-Section line of said Section 13, a distance of 575.18 feet to the NW Corner of said Parcel 'C' being marked by a $\frac{1}{2}$ " bar, LS 32778 and from which point the N $\frac{1}{4}$ Corner of said Section 13, being marked by a 5/8" bar with Pinal County plastic cap, bears N. 0 deg. 13' 53" W., 1349.34 feet distant therefrom; thence N. 89 deg. 39' 32" E, along the said Northerly line of Parcel 'C' a distance of 2650.62 feet to the NE Corner of said Parcel 'C', being marked by a cotton picker spindle and from which point the NE Corner of said Section 13, being marked by a an Arizona Highway Department brass cap in hand hole, bears N. 0 deg. 15' 43" W., 1349.34 feet distant therefrom; thence S. 0 deg. 15' 43" E., 575.18 feet to the TRUE POINT OF BEGINNING.

Subject to any and all existing easements and or rights-of-way affecting the above described property.

N1/4 COR
SEC 13
T7S-R5E
FND 1 1/2" PINAL CO.
PLASTIC CAP ON
5/8" BAR

N89°39'32"E 2649.90'

HANNA ROAD

NE COR
SEC 13
T7S-R5E
FND A.H.D. BRASS CAP
IN HAND HOLE

1/4 DECLARED
COUNTY ROAD EAST
D.M.I. 375 PG 573 P.C.R.

ROAD

A MINOR LAND DIVISION
LOCATED IN

NE 1/4 SECTION 13, T7S-R5E, C.&S.R.B.&M.,
PINAL COUNTY, ARIZONA

SURVEYED DURING JUNE, 2005

FOR
IVAN JUE

2660.85'

N0°13'53"W

1349.34'

NW COR
PARCEL C
BK 13 OF SURVEYS PG 156 P.C.R.
FND 1/2" BAR
LS 32778

PROPOSED
23 EASEMENT FOR
INGRESS, EGRESS &
PUBLIC UTILITIES

NE COR
PARCEL C
BK 13 OF SURVEYS PG 156 P.C.R.
FND C.P.

FND 1/2" BAR
LS 32778
33'

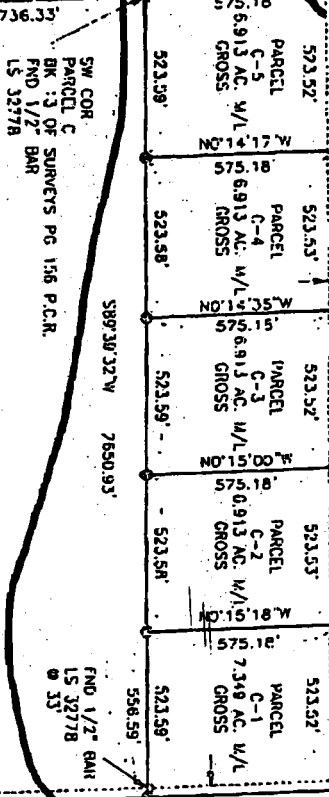
2666.98'

15°43'E
(BASIS OF BEARINGS)

THORNTON

35
ACRES

575.18'
33' EASEMENT
SE COR
PARCEL C
BK 13 OF SURVEYS
PG 156 P.C.R.
FND CP



CENTER
SEC 13
T7S-R5E
FND 1 1/2" ALUM. CAP
LS 19847

S09°17'28"W 2651.32'

E1/4 COR
SEC 13
T7S-R5E
FND 5/8" BAR
LS 17258

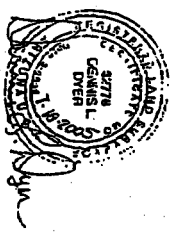


SCALE: 1" = 300'

LEGEND

- = SET 1/2" IRON BAR (UNLESS OTHERWISE NOTED)
- = FOUND 1/2" IRON BAR (UNLESS OTHERWISE NOTED)
- = FOUND BRASS CAP IN HAND HOLE
- C.P. = COTTON PICKER SPINDLE
- M/L = MORE OR LESS
- AC. = ACRE
- A.H.D. = ARIZONA HIGHWAY DEPARTMENT

THIS SURVEY HAS BEEN PERFORMED IN THE FIELD
EITHER BY ME OR UNDER MY DIRECT SUPERVISION.



WECKERLY & ASSOCIATES
SURVEYORS -- ENGINEERS
537 N. 4TH AVENUE

NOTE: THIS SURVEY WAS MADE IN ACCORDANCE WITH LEGAL DESCRIPTIONS
AND INSTRUCTIONS PROVIDED BY THE CLIENT. ANY DRAWINGS PRODUCED AS
A RESULT OF THIS SURVEY ARE INSTRUMENTS OF SERVICE AND SHALL REMAIN
THE PROPERTY OF WECKERLY & ASSOCIATES. ANY UNAUTHORIZED REPRODUCTION,
COPYING, ADDITIONS, ALTERATIONS OR USE OF THESE DRAWINGS WILL BE
PROSECUTED TO THE FULL EXTENT OF THE LAW.

NOTE: THE CLIENT HAS BEEN ADVISED AND HEREBY IS REAFFIRMED

November 21, 2005

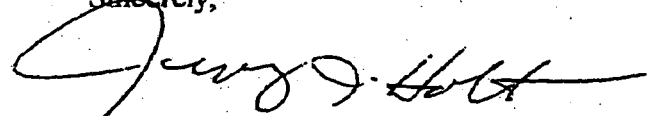
Mike Whitehead
Vice President, Engineering
Arizona Water Company
P.O. Box 29006
Phoenix, Arizona 85038-9006

Re: Extension Of CC&N for Jeff Holt, Casa Grande AZ.

Dear Mr. Whitehead,

Jeffrey J. Holt requests to be included in your next application to extend its Certificate of Convenience and Necessity in or near Casa Grande, Pinal, Arizona with the Arizona Corporation Commission to include an overall area of 32 acres, which is more accurately described in Attachment 'A' and depicted on the map as Attachment 'B', both attached hereto. Please notify us when you have been issued a Procedural Order on this extension.

Sincerely,



Jeffrey J. Holt

Attachment "A"



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

337 N. ARIZONA AVENUE
CHANDLER AZ 8522

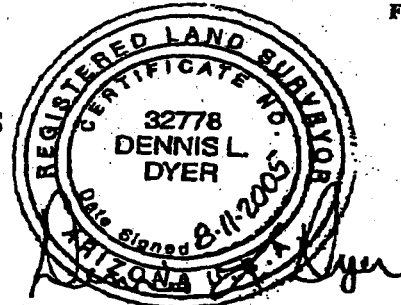
(480) 963-648
FAX (480) 812-914

August 11, 2005

Job No. 050510EAJH-23S

LEGAL DESCRIPTION
FOR
JEFF HOLT

23' EASEMENT FOR INGRESS, EGRESS & PUBLIC UTILITIES



An easement for Ingress, Egress and Public Utilities over the Southerly 23.00 feet of that part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole; thence S. 0 deg. 15' 43" E., (basis of bearings) along the Easterly line of the said NE ¼ of Section 13, a distance of 660.00 feet to the TRUE POINT OF BEGINNING; thence continuing S. 0 deg. 15' 43" E., 689.34 feet to a point from which the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258, bears S. 0 deg. 15' 43" E., 1317.64 feet distant therefrom; thence S. 89 deg. 39' 32" W., being parallel with the Northerly line of the said NE ¼ of Section 13, a distance of 1359.28 feet to a point from which a point on the North-South Mid-Section line of said Section 13, bears S. 89 deg. 39' 32" W., 1291.34 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to a point on the Northerly line of the said NE ¼ of Section 13 and from which point the N ¼ Corner of said Section 13, being marked by a 5/8" bar with a Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 1291.34 feet distant therefrom; thence N. 89 deg. 39' 32" E., 698.55 feet to a point from which the NE Corner of said Section 13, bears N. 89 deg. 39' 32" E., 660.01 feet distant therefrom; thence S. 0 deg. 15' 43" E., being parallel with the said Easterly line of the NE ¼ of Section 13, a distance of 660.00 feet; thence N. 89 deg. 39' 32" E., being parallel with the said Northerly line of the NE ¼ of Section 13, a distance of 660.01 feet to the TRUE POINT OF BEGINNING.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

337 N. ARIZONA AVENUE
CHANDLER AZ 85225

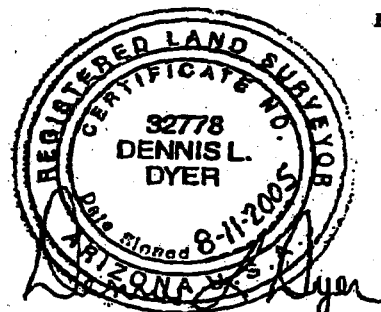
(480) 963-6481
FAX (480) 812-9140

August 11, 2005

Job No. 050510EAJH-23W

LEGAL DESCRIPTION
FOR
JEFF HOLT

23' EASEMENT FOR INGRESS, EGRESS & PUBLIC UTILITIES



An easement for Ingress, Egress and Public Utilities over the Westerly 23.00 feet of that part of the NE $\frac{1}{4}$ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole; thence S. 0 deg. 15' 43" E., (basis of bearings) along the Easterly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 660.00 feet to the TRUE POINT OF BEGINNING; thence continuing S. 0 deg. 15' 43" E., 689.34 feet to a point from which the E $\frac{1}{4}$ Corner of said Section 13, being marked by a 5/8" bar, LS 17258, bears S. 0 deg. 15' 43" E., 1317.64 feet distant therefrom; thence S. 89 deg. 39' 32" W., being parallel with the Northerly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 1359.28 feet to a point from which a point on the North-South Mid-Section line of said Section 13, bears S. 89 deg. 39' 32" W., 1291.34 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to a point on the Northerly line of the said NE $\frac{1}{4}$ of Section 13 and from which point the N $\frac{1}{4}$ Corner of said Section 13, being marked by a 5/8" bar with a Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 1291.34 feet distant therefrom; thence N. 89 deg. 39' 32" E., 698.55 feet to a point from which the NE Corner of said Section 13, bears N. 89 deg. 39' 32" E., 660.01 feet distant therefrom; thence S. 0 deg. 15' 43" E., being parallel with the said Easterly line of the NE $\frac{1}{4}$ of Section 13, a distance of 660.00 feet; thence N. 89 deg. 39' 32" E., being parallel with the said Northerly line of the NE $\frac{1}{4}$ of Section 13, a distance of 660.01 feet to the TRUE POINT OF BEGINNING.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

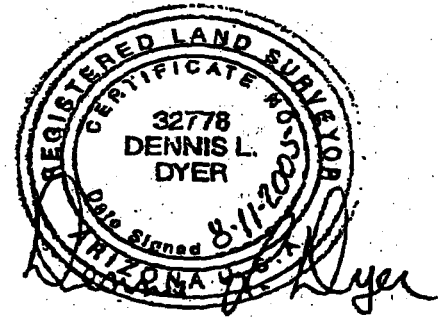
337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX (480) 812-9140

August 11, 2005

Job No. 050510PB-1

LEGAL DESCRIPTION
FOR
JEFF HOLT
PARCEL B-1
10.586 AC M/L
GROSS



That part of the NE $\frac{1}{4}$ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E $\frac{1}{4}$ Corner of said Section 13, being marked by a $\frac{5}{8}$ " bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 660.01 feet to a corner of Parcel 'B' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County records, being marked by a cotton picker spindle, said point also being the TRUE POINT OF BEGINNING; thence S. 0 deg. 15' 43" E., being parallel with the Easterly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 660.00 feet to a corner of said Parcel 'B', being marked by a $\frac{1}{2}$ " bar, LS 32778; thence S. 89 deg. 39' 32" W., being parallel with the said Northerly line of the NE $\frac{1}{4}$ of Section 13, a distance of 698.90 feet to a point on the Westerly line of said Parcel 'B' and from which point, the SW Corner of said Parcel 'B', being marked by a $\frac{1}{2}$ " bar, LS 32778, bears S. 0 deg. 13' 53" E., 689.34 feet distant therefrom; thence N. 0 deg. 13' 53" W., 660.00 feet to the NW Corner of said Parcel 'B', being marked by a cotton picker spindle and from which point the N $\frac{1}{4}$ Corner of said Section 13, being marked by a $\frac{5}{8}$ " bar with a Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 1291.34 feet distant therefrom; thence N. 89 deg. 39' 32" E., along the Northerly line of the NE $\frac{1}{4}$ of said Section 13, a distance of 698.55 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for roadway over the Northerly 33.00 feet thereof as recorded in Docket 375, Page 573, Pinal County records.

Also

Subject to an easement for Ingress, Egress and Public Utilities over the Westerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

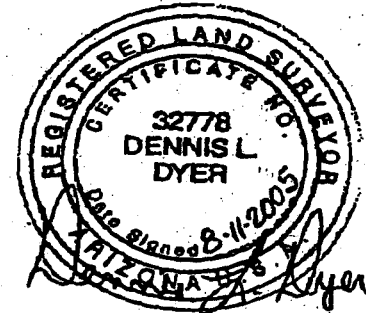
337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX (480) 812-9140

August 11, 2005

Job No. 050510PB-3

LEGAL DESCRIPTION
FOR
JEFF HOLT
PARCEL B-3
6.252 AC M/L
GROSS



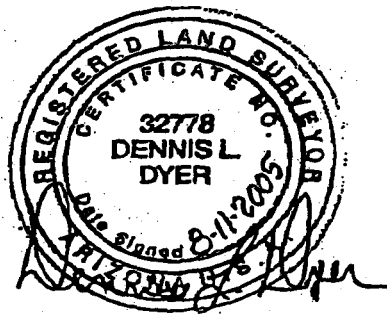
That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;
Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE ¼ of Section 13, a distance of 1358.56 feet to the NW Corner of Parcel 'B' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County records, being marked by a cotton picker spindle and from which point the N ¼ Corner of said Section 13, being marked by a 5/8" bar with a Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 1291.34 feet distant therefrom; thence S. 0 deg. 13' 53" E., along the Westerly line of said Parcel 'B', a distance of 870.69 feet to the TRUE POINT OF BEGINNING; thence N. 89 deg. 39' 32" E., being parallel with the Northerly line of the said NE ¼ of Section 13, a distance of 568.85 feet; thence S. 0 deg. 15' 43" E., being parallel with the Easterly line of the said NE ¼ of Section 13, a distance of 478.65 feet to a point on the Southerly line of said Parcel 'B' and from which point the SE Corner of said Parcel 'B', being marked by a cotton picker spindle, bears N. 89 deg. 39' 32" E., 790.18 feet distant therefrom; thence S. 89 deg. 39' 32" W., 569.10 feet to the SW Corner of said Parcel 'B', being marked by a ½" bar, LS 32778; thence N. 0 deg. 13' 53" W., along the Westerly line of said Parcel 'B', a distance of 478.65 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for Ingress, Egress and Public Utilities over the
Westerly 23.00 feet thereof.

Also

Subject to an easement for Ingress, Egress and Public Utilities over the
Southerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting
the above described property.





WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

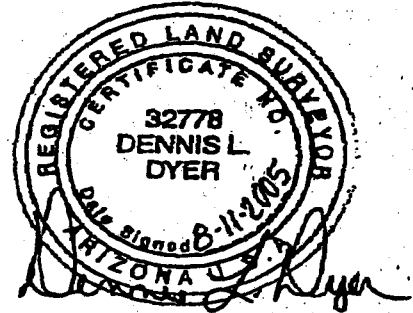
337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX (480) 812-9146

August 11, 2005

Job No. 050510PB-4

LEGAL DESCRIPTION
FOR
JEFF HOLT
PARCEL B-4
6.252 AC M/L
GROSS



That part of the NE $\frac{1}{4}$ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;
Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole; thence S. 0 deg. 15' 43" E., (basis of bearings) along the Easterly line of the NE $\frac{1}{4}$ of said Section 13, a distance of 1349.34 feet to the SE Corner of Parcel 'B' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County records, being marked by a cotton picker spindle and from which point the E $\frac{1}{4}$ Corner of said Section 13, being marked by a $\frac{5}{8}$ " bar, LS 17258, bears S. 0 deg. 15' 43" E., 1317.64 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'B', a distance of 395.09 feet to the TRUE POINT OF BEGINNING; thence continuing S. 89 deg. 39' 32" W., 395.09 feet to a point from which the SW Corner of said Parcel 'B', being marked by a $\frac{1}{2}$ " bar, LS 32778, bears S. 89 deg. 39' 32" W., 569.10 feet distant therefrom; thence N. 0 deg. 15' 43" W., being parallel with the said Easterly line of the NE $\frac{1}{4}$ of Section 13, a distance of 689.34 feet; thence N. 89 deg. 39' 32" E., 395.09 feet; thence S. 0 deg. 15' 43" E., 689.34 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for Ingress, Egress and Public Utilities over the Southerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

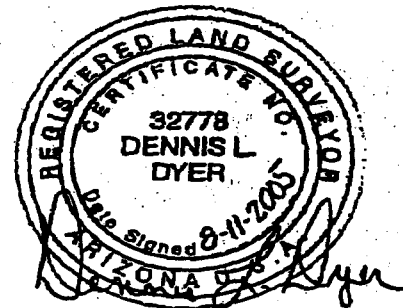
337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX (480) 812-9140

August 11, 2005

Job No. 050510PB-5

**LEGAL DESCRIPTION
FOR
JEFF HOLT
PARCEL B-5
6.252 AC M/L
GROSS**



That part of the NE $\frac{1}{4}$ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;
Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole; thence S. 0 deg. 15' 43" E., (basis of bearings) along the Easterly line of the NE $\frac{1}{4}$ of said Section 13, a distance of 660.00 feet to a point marking a corner of Parcel 'B' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County records, being marked by a cotton picker spindle, said point also being the TRUE POINT OF BEGINNING; thence continuing S. 0 deg. 15' 43" E., 689.34 feet to the SE Corner of said Parcel 'B', being marked by a cotton picker spindle and from which point the E $\frac{1}{4}$ Corner of said Section 13, being marked by a $\frac{5}{8}$ " bar, LS 17258, bears S. 0 deg. 15' 43" E., 1317.64 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'B', a distance of 395.09 feet to a point from which the SW Corner of said Parcel 'B', being marked by a $\frac{1}{2}$ " bar, LS 32778, bears S. 89 deg. 39' 32" W., 964.19 feet distant therefrom; thence N. 0 deg. 15' 43" W., being parallel with the Easterly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 689.34 feet; thence N. 89 deg. 39' 32" E., 395.09 feet to the TRUE POINT OF BEGINNING.

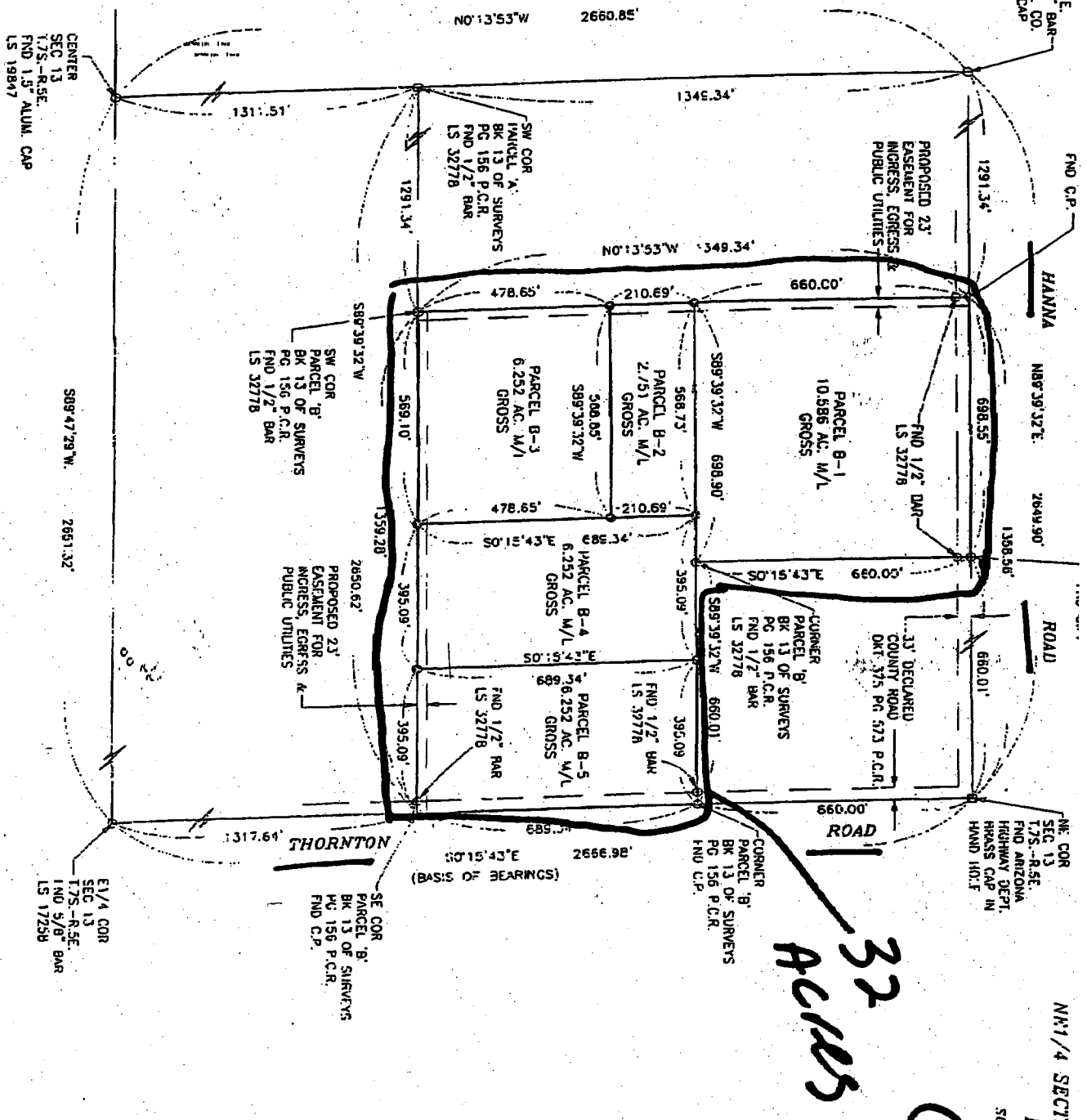
Subject to an easement for roadway over the Easterly 33.00 feet thereof as recorded in Docket 375, Page 573, Pinal County records.

Also

Subject to an easement for Ingress, Egress and Public Utilities over the Southerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting the above described property.

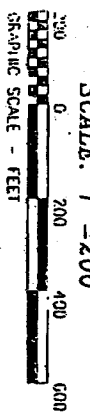
Attachment B



32
ACRES

JEFF HOLT

NW1/4 SECTION 13, T.7S.-R.6E., G.&S.R.B.&M.,
PINAL COUNTY, ARIZONA
SURVEYED DURING AUGUST, 2005



SCALE: 1" = 200'

- LEGEND**
- O = FOUND 1/2" IRON BAR (UNLESS OTHERWISE NOTED)
 - ⊖ = SET 1/2" IRON BAR (UNLESS OTHERWISE NOTED)
 - = FOUND BRASS CAP IN HAND HOLE
 - C.P. = COTTON PICKER SPINDLE
 - M/L = MORE OR LESS
 - AC. = ACRE

THIS SURVEY HAS BEEN PERFORMED IN THE FIELD
EITHER BY ME OR UNDER MY DIRECT SUPERVISION.



WECKERLY & ASSOCIATES

SURVEYORS-ENGINEERS
537 N. ARIZONA AVENUE
CLANDER, ARIZONA
480-969-6481
JOB NO. 08

NOTE: THIS SURVEY WAS MADE IN ACCORDANCE WITH LEGAL DESCRIPTIONS
AND INSTRUCTIONS PROVIDED BY THE CLIENT. ANY DRAWINGS PRODUCED AS
A RESULT OF THIS SURVEY ARE INSTRUMENTS OF SERVICES PRODUCED AS
THE PROPERTY OF WECKERLY & ASSOCIATES. ANY UNAUTHORIZED REPRODUCTION,
REVISIONS, ADDITIONS, ALTERATIONS OR USE OF THESE DRAWINGS WILL BE
CONSIDERED TO BE IN VIOLATION OF THE ARIZONA STATE TECHNICAL BOARD
CODE 32-125 & 32-142 AND IS STRICTLY PROHIBITED.

THE CLIENT HAS BEEN INFORMED AND HEREBY IS REAFFIRMED
THAT THERE ARE RULES AND REGULATIONS THAT MUST BE
CONSULTED WITH REGARDING LAND DIVISION. THE PROPER
GOVERNING AUTHORITY SHOULD BE CONTACTED TO ANSWER
ANY QUESTIONS.

JEFF HOLT

WECKERLY & ASSOCIATES

0905

0905

November 21, 2005

Mike Whitehead
Vice President, Engineering
Arizona Water Company
P.O. Box 29006
Phoenix, Arizona 85038-9006

Re: Extension Of CC&N for Loren Whipple, Casa Grande AZ.

Dear Mr. Whitehead,

Loren Whipple requests to be included in your next application to extend its Certificate of Convenience and Necessity in or near Casa Grande, Pinal, Arizona with the Arizona Corporation Commission to include an overall area of 40 acres, which is more accurately described in Attachment 'A' and depicted on the map as Attachment 'B', both attached hereto. Please notify us when you have been issued a Procedural Order on this extension.

Sincerely,



Loren Whipple

Attachment "A"



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

337 N. ARIZONA AVENUE
CHANDLER AZ 85225

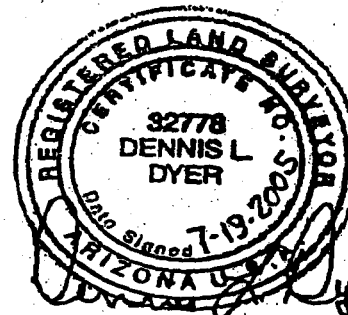
(480) 963-6481
FAX (480) 812-9140

July 9, 2005

Job No. 050510EA-1

LEGAL DESCRIPTION
FOR
JEFF HOLT

23' EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES



An easement for Ingress, Egress and Public Utilities over the Easterly 23.00 feet of that part of the NE $\frac{1}{4}$ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E $\frac{1}{4}$ Corner of said Section 13, being marked by a $\frac{5}{8}$ " bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle; thence continuing S. 89 deg. 39' 32" W., 1033.07 feet to the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to a point on the Southerly line of said Parcel 'A', and from which point the SE Corner of said Parcel 'A', being marked by a $\frac{1}{2}$ " bar, LS 32778, bears N. 89 deg. 39' 32" E., 1033.07 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 258.27 feet to the SW Corner of said Parcel 'A', being marked by a $\frac{1}{2}$ " bar LS 32778 and from which point the Center of said Section 13, being marked by a 1 $\frac{1}{2}$ " aluminum cap, LS 19847, bears S. 0 deg. 13' 53" E., 1311.51 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to the N $\frac{1}{4}$ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a $\frac{5}{8}$ " bar with Pinal County Plastic cap; thence N. 89 deg. 39' 32" E., 258.27 feet to the TRUE POINT OF BEGINNING.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

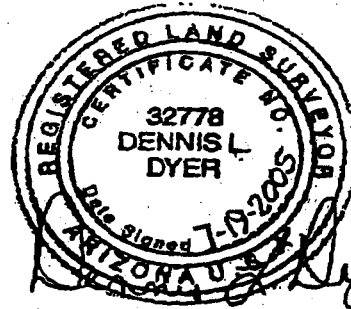
TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX (480) 812-9140

July 9, 2005

Job No. 050510EA-S



LEGAL DESCRIPTION
FOR
JEFF HOLT

23' EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES

An easement for Ingress, Egress and Public Utilities over the Southerly 23.00 feet of that part of the NE $\frac{1}{4}$ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E $\frac{1}{4}$ Corner of said Section 13, being marked by a $\frac{5}{8}$ " bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle, said point also being the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to the SE Corner of said Parcel 'A', being marked by a $\frac{1}{2}$ " bar, LS 32778; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 1291.34 feet to the SW Corner of said Parcel 'A', being marked by a $\frac{1}{2}$ " bar LS 32778 and from which point the Center of said Section 13, being marked by a $1\frac{1}{2}$ " aluminum cap, LS 19847, bears S. 0 deg. 13' 53" E., 1311.51 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to the N $\frac{1}{4}$ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a $\frac{5}{8}$ " bar with Pinal County Plastic cap; thence N. 89 deg. 39' 32" E., 1291.34 feet to the TRUE POINT OF BEGINNING.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

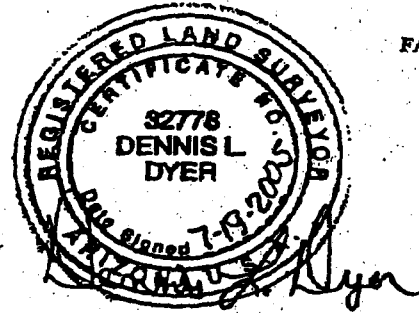
TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX (480) 812-9140

July 9, 2005

Job No. 050510EA-2



LEGAL DESCRIPTION
FOR
JEFF HOLT

23' EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES

An easement for Ingress, Egress and Public Utilities over the Westerly 23.00 feet of that part of the NE $\frac{1}{4}$ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E $\frac{1}{4}$ Corner of said Section 13, being marked by a $\frac{5}{8}$ " bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle; thence continuing S. 89 deg. 39' 32" W., 774.80 feet to the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to a point on the Southerly line of said Parcel 'A', and from which point the SE Corner of said Parcel 'A', being marked by a $\frac{1}{2}$ " bar, LS 32778, bears N. 89 deg. 39' 32" E., 774.80 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 258.27 feet to a point from which the SW Corner of said Parcel 'A', being marked by a $\frac{1}{2}$ " bar, LS 32778, bears S. 89 deg. 39' 32" W., 258.27 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to a point on the Northerly line of the said NE $\frac{1}{4}$ of Section 13 and from which point the N $\frac{1}{4}$ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a $\frac{5}{8}$ " bar with Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 258.27 feet distant therefrom; thence N. 89 deg. 39' 32" E., 258.27 feet to the TRUE POINT OF BEGINNING.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

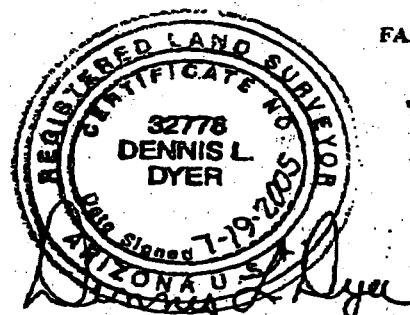
337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX: (480) 812-9140

July 9, 2005

Job No. 050510EA-3

LEGAL DESCRIPTION
FOR
JEFF HOLT



23' EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES

An easement for Ingress, Egress and Public Utilities over the Easterly 23.00 feet of that part of the NE $\frac{1}{4}$ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E $\frac{1}{4}$ Corner of said Section 13, being marked by a $\frac{5}{8}$ " bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle; thence continuing S. 89 deg. 39' 32" W., 516.54 feet to the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to a point on the Southerly line of said Parcel 'A', and from which point the SE Corner of said Parcel 'A', being marked by a $\frac{1}{2}$ " bar, LS 32778, bears N. 89 deg. 39' 32" E., 516.54 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 258.26 feet to a point from which the SW Corner of said Parcel 'A', being marked by a $\frac{1}{2}$ " bar, LS 32778, bears S. 89 deg. 39' 32" W., 516.54 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to a point on the Northerly line of the said NE $\frac{1}{4}$ of Section 13 and from which point the N $\frac{1}{4}$ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a $\frac{5}{8}$ " bar with Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 516.54 feet distant therefrom; thence N. 89 deg. 39' 32" E., 258.26 feet to the TRUE POINT OF BEGINNING.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

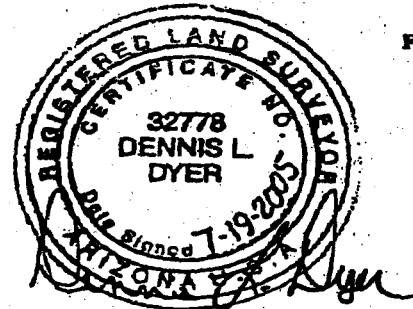
TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX (480) 812-9140

July 9, 2005

Job No. 050510EA-4



LEGAL DESCRIPTION
FOR
JEFF HOLT

23' EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES

An easement for Ingress, Egress and Public Utilities over the Westerly 23.00 feet of that part of the NE $\frac{1}{4}$ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E $\frac{1}{4}$ Corner of said Section 13, being marked by a 5/8" bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle; thence continuing S. 89 deg. 39' 32" W., 258.27 feet to the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to a point on the Southerly line of said Parcel 'A', and from which point the SE Corner of said Parcel 'A', being marked by a 1/2" bar, LS 32778, bears N. 89 deg. 39' 32" E., 258.27 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 258.27 feet to a point from which the SW Corner of said Parcel 'A', being marked by a 1/2" bar, LS 32778, bears S. 89 deg. 39' 32" W., 774.80 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to a point on the Northerly line of the said NE $\frac{1}{4}$ of Section 13 and from which point the N $\frac{1}{4}$ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a 5/8" bar with Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 774.80 feet distant therefrom; thence N. 89 deg. 39' 32" E., 258.27 feet to the TRUE POINT OF BEGINNING.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

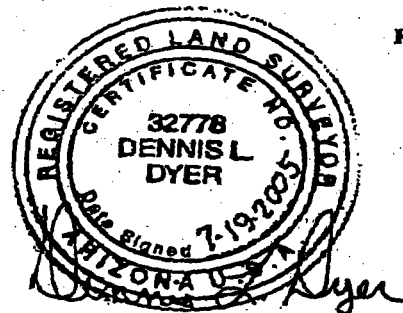
TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX (480) 812-9140

July 9, 2005

Job No. 050510EA-5



LEGAL DESCRIPTION
FOR
JEFF HOLT

23' EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES

An easement for Ingress, Egress and Public Utilities over the Easterly 23.00 feet of that part of the NE $\frac{1}{4}$ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E $\frac{1}{4}$ Corner of said Section 13, being marked by a $\frac{5}{8}$ " bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle, said point also being the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to the SE Corner of said Parcel 'A', being marked by a $\frac{1}{2}$ " bar, LS 32778; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 258.27 feet to a point from which the SW Corner of said Parcel 'A', being marked by a $\frac{1}{2}$ " bar, LS 32778, bears S. 89 deg. 39' 32" W., 1033.07 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to a point on the Northerly line of the said NE $\frac{1}{4}$ of Section 13 and from which point the N $\frac{1}{4}$ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a $\frac{5}{8}$ " bar with Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 1033.07 feet distant therefrom; thence N. 89 deg. 39' 32" E., 258.27 feet to the TRUE POINT OF BEGINNING.

Subject to any and all existing easements and or rights-of-way affecting the above described property.

WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

RY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

AVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

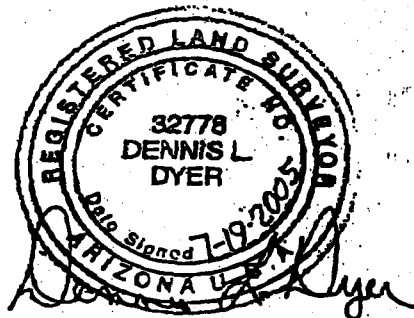
337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX (480) 812-9140

July 9, 2005

Job No. 050510PA-1

LEGAL DESCRIPTION
FOR
JEFF HOLT
PARCEL A-1
8.00 AC M/L GROSS



That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE ¼ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle; thence continuing S. 89 deg. 39' 32" W., 1033.07 feet to the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to a point on the Southerly line of said Parcel 'A', and from which point the SE Corner of said Parcel 'A', being marked by a ½" bar, LS 32778, bears N. 89 deg. 39' 32" E., 1033.07 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 258.27 feet to the SW Corner of said Parcel 'A', being marked by a ½" bar LS 32778 and from which point the Center of said Section 13, being marked by a 1 ½" aluminum cap, LS 19847, bears S. 0 deg. 13' 53" E., 1311.51 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to the N ¼ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a 5/8" bar with Pinal County Plastic cap; thence N. 89 deg. 39' 32" E., 258.27 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for roadway over the Northerly 33.00 feet thereof as recorded in Docket 375, Page 573, Pinal County Records.

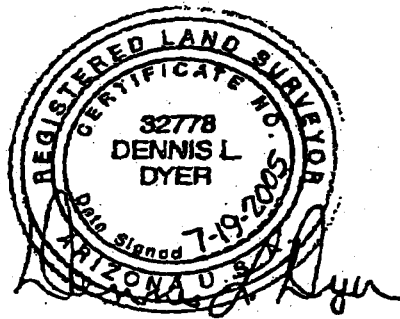
Also

Subject to an easement for Ingress, Egress and Public Utilities over the Easterly 23.00 feet thereof.

Also

Subject to an easement for Ingress, Egress and Public Utilities over the Southerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting the above described property.





WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

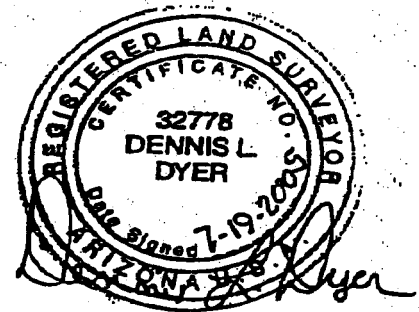
337 N. ARIZONA AVENUE
CHANDLER AZ 85226

(480) 963-64
FAX (480) 812-91

July 9, 2005

Job No. 050510PA-3

LEGAL DESCRIPTION
FOR
JEFF HOLT
PARCEL A-3
8.00 AC M/L GROSS



That part of the NE $\frac{1}{4}$ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows:
Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E $\frac{1}{4}$ Corner of said Section 13, being marked by a $\frac{5}{8}$ " bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle; thence continuing S. 89 deg. 39' 32" W., 516.54 feet to the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to a point on the Southerly line of said Parcel 'A', and from which point the SE Corner of said Parcel 'A', being marked by a $\frac{1}{2}$ " bar, LS 32778, bears N. 89 deg. 39' 32" E., 516.54 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 258.26 feet to a point from which the SW Corner of said Parcel 'A', being marked by a $\frac{1}{2}$ " bar, LS 32778, bears S. 89 deg. 39' 32" W., 516.54 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to a point on the Northerly line of the said NE $\frac{1}{4}$ of Section 13 and from which point the N $\frac{1}{4}$ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a $\frac{5}{8}$ " bar with Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 516.54 feet distant therefrom; thence N. 89 deg. 39' 32" E., 258.26 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for roadway over the Northerly 33.00 feet thereof as recorded in Docket 375, Page 573, Pinal County Records.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

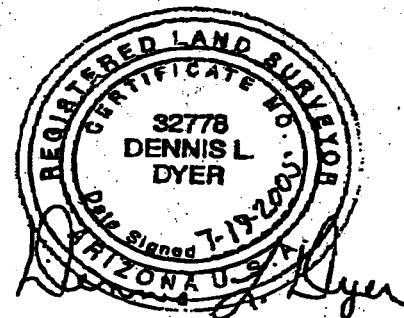
337 N. ARIZONA AVI
CHANDLER AZ

(480) 962
FAX (480) 812

July 9, 2005

Job No. 050510PA-4

LEGAL DESCRIPTION
FOR
JEFF HOLT
PARCEL A-4
8.00 AC M/L GROSS



That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;
Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE ¼ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle; thence continuing S. 89 deg. 39' 32" W., 258.27 feet to the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to a point on the Southerly line of said Parcel 'A', and from which point the SE Corner of said Parcel 'A', being marked by a ½" bar, LS 32778, bears N. 89 deg. 39' 32" E., 258.27 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 258.27 feet to a point from which the SW Corner of said Parcel 'A', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 774.80 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to a point on the Northerly line of the said NE ¼ of Section 13 and from which point the N ¼ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a 5/8" bar with Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 774.80 feet distant therefrom; thence N. 89 deg. 39' 32" E., 258.27 feet to the TRUE POINT OF BEGINNING.

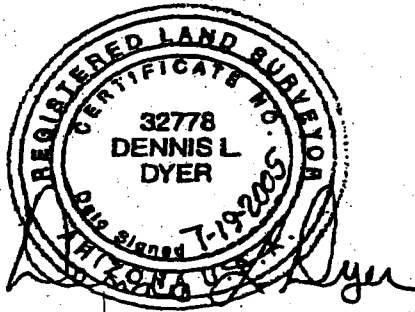
Subject to an easement for roadway over the Northerly 33.00 feet thereof as recorded in Docket 375, Page 573, Pinal County Records.

When the
When the

Also
Subject to an easement for Ingress, Egress and Public Utilities over the
Westerly 23.00 feet thereof.

Also
Subject to an easement for Ingress, Egress and Public Utilities over the
Southerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting
the above described property.





WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

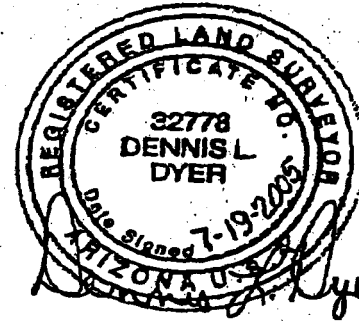
337 N. ARIZONA AVENUE
CHANDLER AZ 85

(480) 963-6
FAX (480) 812-9

July 9, 2005

Job No. 050510PA-5

LEGAL DESCRIPTION
FOR
JEFF HOLT
PARCEL A-5
8.00 AC M/L GROSS



That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;
Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE ¼ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle, said point also being the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to the SE Corner of said Parcel 'A', being marked by a ½" bar, LS 32778; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 258.27 feet to a point from which the SW Corner of said Parcel 'A', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 1033.07 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to a point on the Northerly line of the said NE ¼ of Section 13 and from which point the N ¼ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a 5/8" bar with Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 1033.07 feet distant therefrom; thence N. 89 deg. 39' 32" E., 258.27 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for roadway over the Northerly 33.00 feet thereof as recorded in Docket 375, Page 573, Pinal County Records.

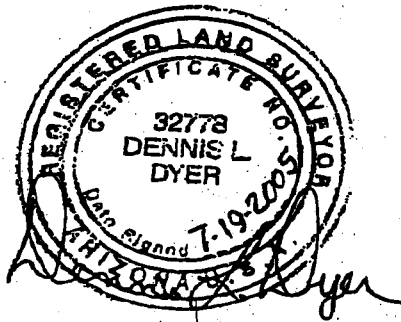
Also

Subject to an easement for Ingress, Egress and Public Utilities over the Easterly 23.00 feet thereof.

Also

Subject to an easement for Ingress, Egress and Public Utilities over the Southerly 23.00 feet thereof.

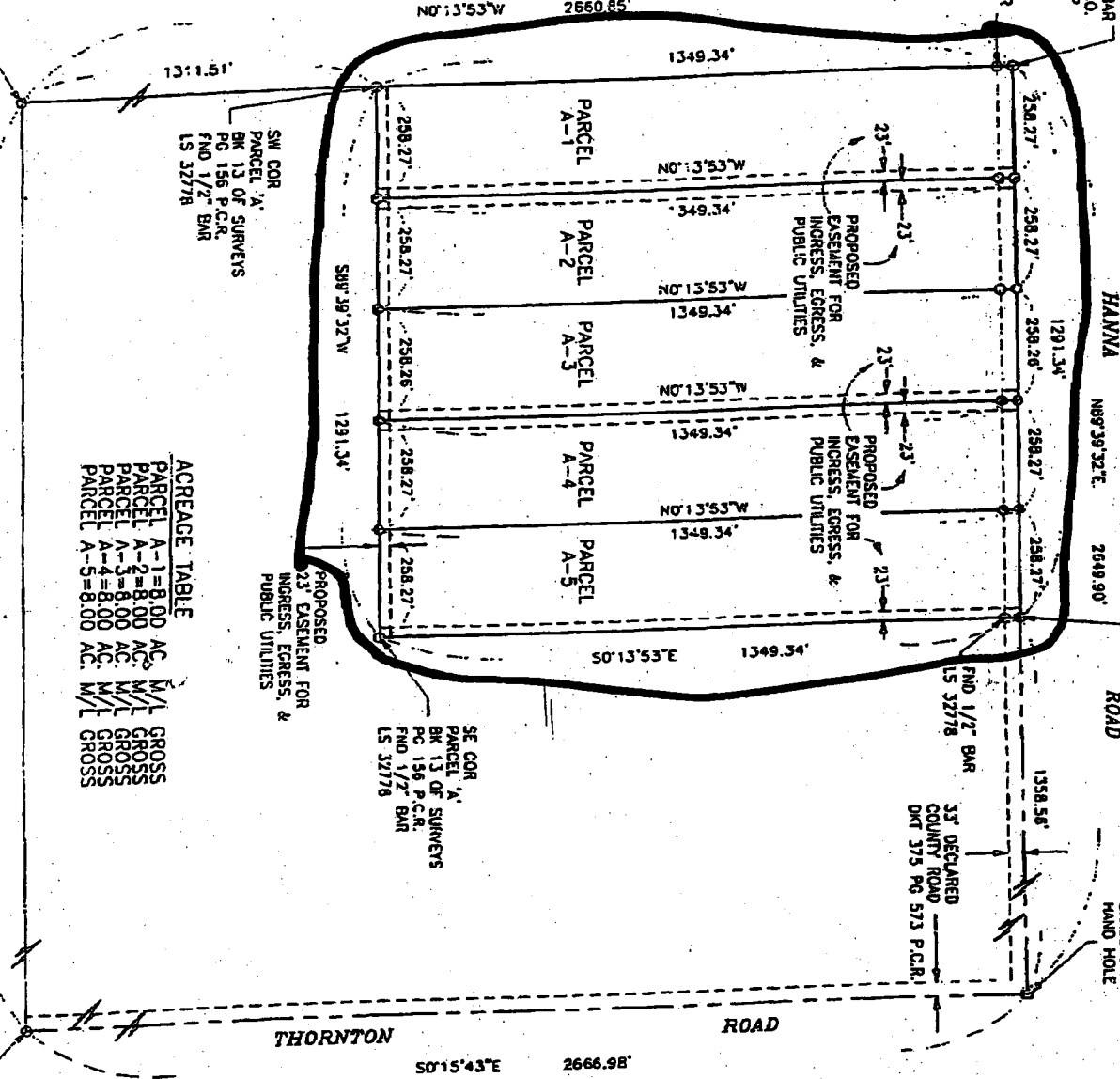
Subject to any and all existing easements and or rights-of-way affecting the above described property.



A Attachment B

N1/4 COR
SEC 13
T2S-R5E
RND 5/8" BAR
W/ PINAL CO.
PLASTIC CAP
FND 1/2" BAR
LS 32778

CENTER
SEC 13
T2S-R5E
FND 1 1/2" ALUM. CAP
LS 19847

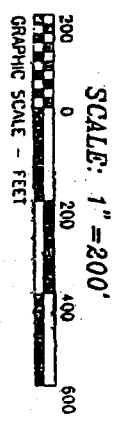


ACREAGE TABLE

PARCEL	AC.	M/L	GROSS
PARCEL A-1	8.00	M/L	GROSS
PARCEL A-2	8.00	M/L	GROSS
PARCEL A-3	8.00	M/L	GROSS
PARCEL A-4	8.00	M/L	GROSS
PARCEL A-5	8.00	M/L	GROSS

S88°47'29"W, 2651.32'

SHOWING
A MINOR LAND DIVISION
LOCATED IN
NE1/4 SECTION 19, T7S-R5E, C.&S.R.B.&M.,
PINAL COUNTY, ARIZONA
SURVEYED DURING JUNE, 2005
FOR
JEFF HOLT



- LEGEND**
- = FOUND 1/2" IRON BAR (UNLESS OTHERWISE NOTED)
 - ◊ = SET 1/2" IRON BAR (UNLESS OTHERWISE NOTED)
 - = FOUND BRASS CAP IN HAND HOLE
 - C.P. = COTTON PICKER SPINDLE
 - M/L = MORE OR LESS
 - AC. = ACRE

THIS SURVEY HAS BEEN PERFORMED IN THE FIELD EITHER BY ME OR UNDER MY DIRECT SUPERVISIC



WECKERLY ASSOCIATE

THIS SURVEY WAS MADE IN ACCORDANCE WITH LEGAL DESCRIPTIONS STRAIGHTENED PROVISION BY THE CLIENT AND DRAWINGS PRODUCED AS

January 25, 2006

Mike Whitehead
Vice President, Engineering
Arizona Water Company
P.O. Box 29006
Phoenix, AZ 85038-9006

RE: Extension of CC&N for SWC of McCartney & Corrales Roads, Casa Grande, AZ

Dear Mr. Whitehead

CJ Brimhall Properties II, LLC, requests to be included in your next application to extend its certificate of Convenience and Necessity in or near Casa Grande, Arizona, with the Arizona Corporation Commission to include an overall area of +/-90.1 acres, which is more accurately described in the attached Exhibit "A" and depicted on the map attached as Exhibit "B".

Please notify us when you have been issued a Procedural Order on this extension.

Respectfully

Dr. John Brimhall 2/15/06
Blair Brimhall 2/15/06

Dr. John Brimhall
Manager
CJ Brimhall Properties II, LLC

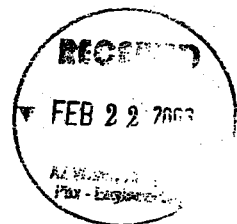
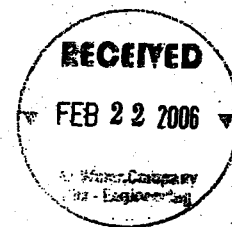


Exhibit "A"

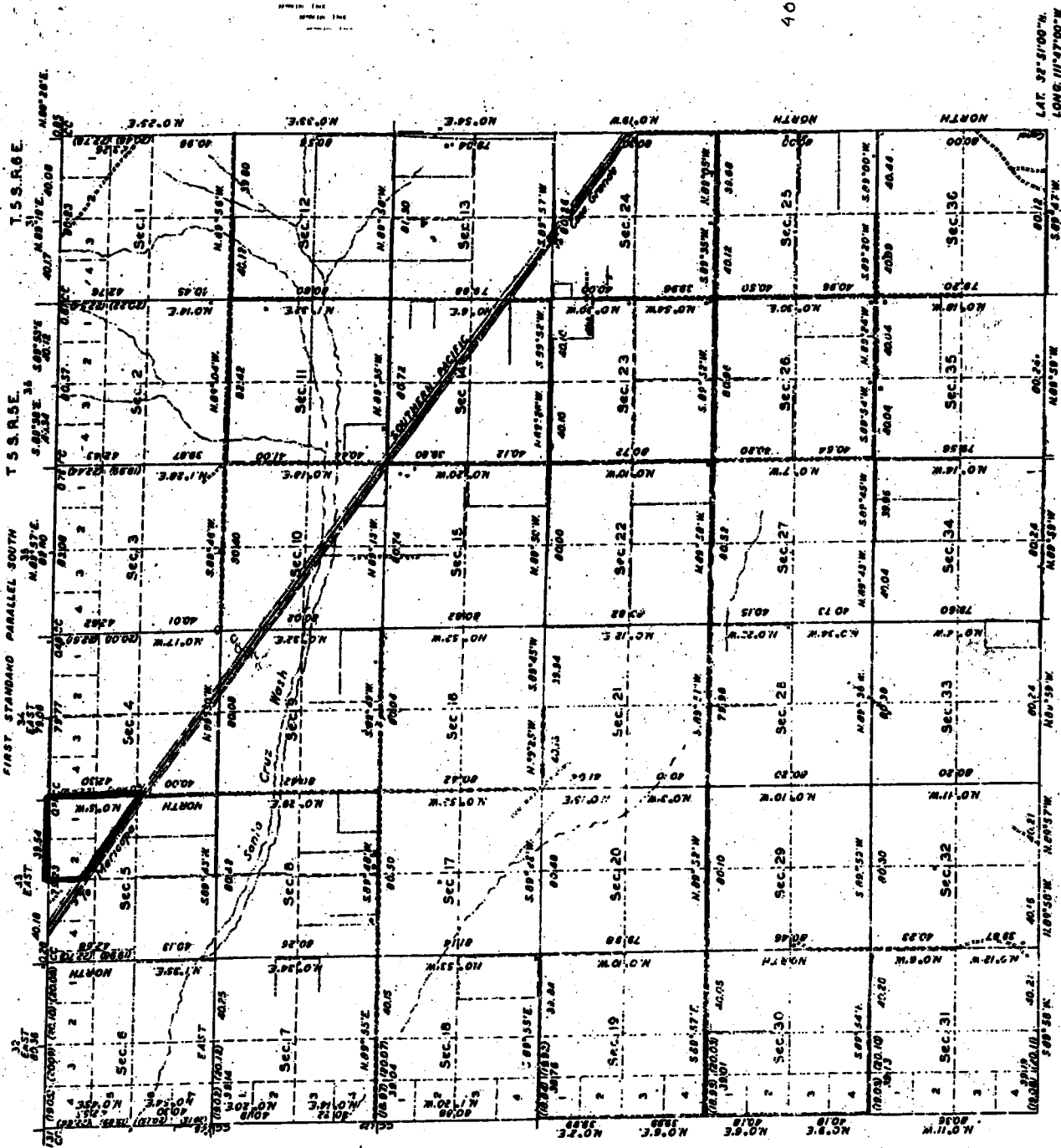
Government Lot 1 and that part of Government Lot 2 and the South half of the Northeast quarter lying North of the Maricopa-Casa Grande Highway in Section 5, Township 6 South, Range 5 East, of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

Dr Brimhall 2/15/06
Clawett Smith 2/15/06

Clawett Smith



TOWNSHIP NO. 6 SOUTH, RANGE NO. 5 EAST, GILA AND SALT RIVER MERIDIAN, ARIZONA.
DEPENDENT RESURVEY



40.50

LAT. 32° 57' 00" N.
LONG. 111° 47' 00" W.

This plat of the resurvey of T. 5 S. R. 5 E. designates a re-occupancy and reestablishment of the lines of the original survey as shown upon the plat approved February 16, 1928, in their true original position according to the best available evidence of the position of the original corners; all differences between the measurements shown on the original plat and those derived in the re-occupancy have been distributed proportionally between accepted corners in accordance with surveying rules; reference will be made to the original plat for the showing of the grades and more detailed descriptions of the various smaller subdivisions of the sections shown hereon.

DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

Washington, D.C., September 17, 1928.
The survey represented by this plat having been correctly executed in accordance with the requirements of the regulations of this office, is hereby accepted.

Office of U.S. Supervisor of Surveys
Denver, Colorado, July 15, 1928
The Supervisor of Township No. 6 South, Range No. 5 East, of the Gila and Salt River Meridian, Arizona is strictly conformable to the field notes of the survey thereof which have been examined and approved.

Mean Magnetic Declination, 14° 21' E. Scale: 40 Chains to an Inch.

LINES DESIGNATED BY WHOM SURVEYED	GROUP NO.	DATE	MILEAGE	WHEN SURVEYED	BY WHOM SURVEYED	COMPLETED	
						PLS.	CHS.
Exterior		150 Feb. 19, 1928	24	12.56	Mar. 23, 1928	Apr. 21, 1928	
Subdivisional			60	22.16	Apr. 16, 1928	Apr. 21, 1928	
Meander							

[Handwritten signature]

EXHIBIT 3



El Dorado Holdings, Inc.

August 17, 2005

Cindy Liles
Global Water Resources, LLC
22601 N. 29th Avenue, Suite 210
Phoenix, Arizona 85027

Re: Water and Wastewater Service

Dear Cindy:

Please accept this letter as a request for service from Big Trail, LLC; Hondo 640, LLC; Lonely Trail 780, LLC; Parker Estates, LLC and Rio Lobo, LLC, Arizona limited liability companies, for water and wastewater service to property located in Pinal County, Arizona (depicted on the attached maps). It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

We would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Please give me a call if you have any questions.

Sincerely,

Big Trail, LLC and
Hondo 640, LLC and
Lonely Trail 780, LLC and
Parker Estates, LLC and
Rio Lobo, LLC,
Arizona limited liability companies

N. Kelly House, President
El Dorado Holdings, Inc., Administrative Agent

September 26, 2005

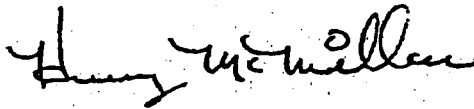
Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services

Please accept this letter as a request for service from Henry and Alexander McMillan for water and wastewater services to our property, more particularly described as Exhibit A attached hereto.

We would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Henry McMillan



LEGAL DESCRIPTION

A PORTION OF SECTION 29, TOWNSHIP 5 SOUTH,
RANGE 5 EAST, GILA & SALT RIVER BASE & MERIDIAN,
PINAL COUNTY, ARIZONA MORE PARTICULARLY
DESCRIBED AS FOLLOWS:

THE EAST ONE-THIRD OF THE WEST HALF OF THE
NORTHEAST QUARTER OF THE NORTHWEST QUARTER
OF SAID SECTION 29;

EXCEPT THE NORTH 570 FEET THEREOF.

ALSO KNOWN AS PARCEL 4 AS SHOWN IN BOOK 3 OF
SURVEYS, PAGE 227.

CONTAINS 3.69 ACRES, MORE OR LESS.

(NOTE: THIS LEGAL DESCRIPTION DERIVED FROM THE
PINAL COUNTY ASSESSOR LEGAL INFORMATION FOR
PARCEL NUMBER 502-38-003S8 AND DOES NOT
REPRESENT A FIELD SURVEY OF THE SUBJECT
PROPERTY.)

APR 19 1984
APR 19 1984

LEGAL DESCRIPTION

A PORTION OF SECTION 29, TOWNSHIP 5 SOUTH,
RANGE 5 EAST, GILA & SALT RIVER BASE & MERIDIAN,
PINAL COUNTY, ARIZONA MORE PARTICULARLY
DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTH QUARTER CORNER OF
SAID SECTION 29;

THENCE WEST 665.24 FEET;

THENCE SOUTH 570 FEET TO THE POINT OF
BEGINNING;

THENCE EAST 235.17 FEET;

THENCE SOUTH 375 FEET;

THENCE WEST 235.07 FEET;

THENCE NORTH 375 FEET TO THE POINT OF
BEGINNING;

EXCEPT ANY PORTION LYING WITHIN THE NORTH
HALF OF THE EAST HALF OF THE NORTHEAST
QUARTER OF THE NORTHWEST QUARTER.

CONTAINS 1.54 ACRES, MORE OR LESS.

(NOTE: THIS LEGAL DESCRIPTION DERIVED FROM THE
PINAL COUNTY ASSESSOR LEGAL INFORMATION FOR
PARCEL NUMBER 502-38-003T6 AND DOES NOT
REPRESENT A FIELD SURVEY OF THE SUBJECT
PROPERTY.)

LEGAL DESCRIPTION

A PORTION OF SECTION 29, TOWNSHIP 5 SOUTH, RANGE 5 EAST, GILA & SALT RIVER BASE & MERIDIAN, PINAL COUNTY, ARIZONA MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTH QUARTER CORNER OF SAID SECTION 29;

THENCE WEST 665.24 FEET;

THENCE SOUTH 945 FEET TO THE TRUE POINT OF BEGINNING;

THENCE EAST 235.07 FEET;

THENCE NORTH 375 FEET;

THENCE EAST 429.92 FEET;

THENCE SOUTH 748.32 FEET;

THENCE WEST 664.89 FEET;

THENCE NORTH 373.40 FEET TO THE TRUE POINT OF BEGINNING;

EXCEPT ANY PORTION LYING WITHIN THE NORTH HALF OF THE EAST HALF OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER.

CONTAINS 8.46 ACRES, MORE OR LESS.

(NOTE: THIS LEGAL DESCRIPTION DERIVED FROM THE PINAL COUNTY ASSESSOR LEGAL INFORMATION FOR PARCEL NUMBER 502-38-003U4 AND DOES NOT REPRESENT A FIELD SURVEY OF THE SUBJECT PROPERTY.)

LEGAL DESCRIPTION

APORTION OF SECTION 29, TOWNSHIP 5 SOUTH,
RANGE 5 EAST, GILA & SALT RIVER BASE & MERIDIAN,
PINAL COUNTY, ARIZONA MORE PARTICULARLY
DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID
SECTION 29;

THENCE EAST 1330.49 FEET TO THE POINT OF
BEGINNING;

THENCE CONTINUING EAST 451.24 FEET;

THENCE SOUTH 570 FEET;

THENCE WEST 451.09 FEET;

THENCE NORTH 570 FEET TO THE POINT OF
BEGINNING.

ALSO KNOWN AS PARCEL 1 AS SHOWN IN BOOK 3 OF
SURVEYS, PAGE 227.

CONTAINS 5.9 ACRES, MORE OR LESS.

(NOTE: THIS LEGAL DESCRIPTION DERIVED FROM THE
PINAL COUNTY ASSESSOR LEGAL INFORMATION FOR
PARCEL NUMBER 502-38-003Q2 AND DOES NOT
REPRESENT A FIELD SURVEY OF THE SUBJECT
PROPERTY.)

LEGAL DESCRIPTION

A PORTION OF SECTION 29, TOWNSHIP 5 SOUTH,
RANGE 5 EAST, GILA & SALT RIVER BASE & MERIDIAN,
PINAL COUNTY, ARIZONA MORE PARTICULARLY
DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID
SECTION 29;

THENCE EAST 1330.49 FEET;

THENCE SOUTH 819.50 FEET TO THE POINT OF
BEGINNING;

THENCE EAST 451.02 FEET;

THENCE SOUTH 498.73 FEET;

THENCE WEST 450.89 FEET;

THENCE NORTH 498.99 FEET TO THE POINT OF
BEGINNING.

ALSO KNOWN AS PARCEL 3 AS SHOWN IN BOOK 3 OF
SURVEYS, PAGE 227.

CONTAINS 5.13 ACRES, MORE OR LESS.

(NOTE: THIS LEGAL DESCRIPTION DERIVED FROM THE
PINAL COUNTY ASSESSOR LEGAL INFORMATION FOR
PARCEL NUMBER 502-38-003R2 AND DOES NOT
REPRESENT A FIELD SURVEY OF THE SUBJECT
PROPERTY.)

Commercial Investments, Inc.
Real Estate Investment and Development

Carranza & Anderson

EXHIBIT "A"

The North half of the Northeast quarter of Section 10, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona

Approximately 80 Acres on the Southwest corner of Carranza and Anderson within the City of Stanfield, APN# 500-16-001, Pinal County, Arizona



May 20, 2005

Ms. Cindy Liles
Santa Cruz Water Company, LLC
Palo Verde Utilities Company, LLC
22601 N. 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services Southeast of the City of Maricopa

Dear Ms. Liles:

Please accept this letter as a request from Anderson & Barnes 580, LLP ("Owner") for water and wastewater services to approximately 580 acres located Southeast of the City of Maricopa, Arizona specifically referred to as the Southeast Expansion Area. Owner would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Owner acquired the 580 acres on December 1, 2004 with the intent of rezoning and engineering the land for the use of a master planned community to serve single family residential homes. The Owner has completed the preliminary planning and has submitted a PAD Rezoning Package to Pinal County and anticipates County Approval in June 2005. The final plats and engineering will begin immediately following Rezoning Approval and the Owner anticipates County Approval of all plats and engineering plans by December 2005.

Based on this expedited timeline and the financial obligations invested by the Owner to date, please recognize the urgency and need for this property to be serviced by the Santa Cruz Water Company and Palo Verde Utilities Company. If a CC&N is not approved by December 2005, then the County will not approve the final plats and engineering for our project at that time; thus, resulting in a delay of our project.

Please contact me if you have any questions. I can be reached at 480-889-9900.

Sincerely,

ANDERSON & BARNES 580, LLP, an Arizona limited liability partnership

By: HINTON FINANCIAL SERVICES INC., a Colorado corporation, partner

By: Brad Clough
Brad Clough, Secretary

By: CATHTON INVESTMENTS, INC., a Nevada Corporation, partner

By: Robert Manning
Robert Manning, President

By: JW VENTURES, LLC., an Arizona limited liability company, partner

By: CRA I, Inc., an Arizona corporation, its Manager

By: Philip J. DeAngelis
Philip J. DeAngelis, its President



Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Dear Valley Financial Center
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Service

Please accept this letter as a request for service from LLF Stanmar Estates, (Steve Rees, Manager) for water and wastewater service. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

Langley Farm Investments would like to be included in you next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Pleas contact Steve Rees if you have any questions at (480) 633-0999.

Sincerely,


Steve Rees, Manager



Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Dear Valley Financial Center
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027


RE: Water and Wastewater Service

Please accept this letter as a request for service from CCB Stanfield Estates, LLC, (Steve Rees, Manager) for water and wastewater service. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

Langley Farm Investments would like to be included in you next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Please contact Steve Rees if you have any questions at (480) 633-0999.

Sincerely,


Steve Rees, Manager



Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Dear Valley Financial Center
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Service

Please accept this letter as a request for service from Langley Stanfield Estates, LLC, (Steve Rees, Manager) for water and wastewater service. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

Langley Farm Investments would like to be included in you next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Please contact Steve Rees if you have any questions at (480) 633-0999.

Sincerely,

Steve Rees, Manager


TERBUS INVESTMENTS, LLC

4747 E Elliot Road
Suite 29-307
Phoenix, Arizona 85044
Phone: 602-320-0712
Fax: 480-452-0948
Email: terbus@aol.com

November 11, 2005

Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Deer Valley Financial Center
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Service for approximately 40 acres at the
SEC of White & Parker Road and Selma Highway in Pinal County

Dear Ms. Liles,

Please accept this letter as a request for service from TERBUS Investments, LLC for water and wastewater service to our approximately 40 acres west of White & Parker Road at Selma Highway. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

We would like our property to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Please contact me if you have any questions, I can be reached at (602) 320-0712

Sincerely,



R.H. Lea
Managing Member
TERBUS INVESTMENTS, LLC

DOUGLAS PAYNE

November 11, 2005

Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Deer Valley Financial Center
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Service for approximately 80 acres at the SEC of White & Parker Road and Selma Highway in Pinal County

Dear Ms. Liles,

Please accept this letter as a request for service from Douglas Payne for water and wastewater service to my approximately 80 acres west of White & Parker Road at Selma Highway. It is my intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

I would like my property to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Please contact me if you have any questions, I can be reached at (602) 510-6980

Sincerely,


Douglas M. Payne

P.O. Box 924
Pearce, AZ 85625

Phone: 602-510-6980
Fax: 480-452-0948
Email: otap7@aol.com

**Anderson & Val Vista 6, LLC
8501 N. Scottsdale Road, Suite 260
Scottsdale, Arizona 85253
(480)889-9900**

May 26, 2005

Ms. Cindy Liles
Santa Cruz Water Company, LLC
Palo Verde Utilities Company, LLC
22601 N. 19th Avenue, Suite 210
Phoenix, AZ 85027

Re: Water and Wastewater Services Southeast of the City of Maricopa

Dear Ms. Liles:

Please accept this letter as a request from Anderson & Val Vista 6, LLC, ("Owner") for water and wastewater services to approximately 1,248 acres located Southeast of the City of Maricopa, Arizona specifically referred to as the Southeast Expansion Area. Owner would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Owner acquired the 1,248 acres with the intent of holding the property for investment and future appreciation. Owner, however, understood that to bring additional value to the property, it may be necessary to rezone and engineer the land for use as a master planned community to serve single family residential homes. The Owner has allowed Santa Cruz Land Co. to complete the preliminary planning and to submit a PAD Rezoning Package to Pinal County and anticipates County Approval in July 2005. Owner understands that the final plats and engineering will begin immediately following Rezoning Approval and the Owner anticipates County Approval of all plats and engineering plans by March 2006.

Based on this expedited timeline and the financial obligations invested by the Owner to date, please recognize the urgency and need for this property to be serviced by the Santa Cruz Water Company and Palo Verde Utilities Company. If a CC&N is not approved by February 2006, then the County will not approve the ~~final~~ plats and engineering for the project at that time; thus, resulting in a delay of the project.

Ms. Cindy Liles
Page 2 of 2

Please contact me if you have any questions. I can be reached at 480-889-9900.

Sincerely,


ANDERSON & VAL VISTA 6, LLC,
an Arizona limited liability company

By: **JW VENTURES, LLC,**
an Arizona limited liability company,
its Member

By: **C.R.A., I. Inc.,**
an Arizona corporation,
its manager

By: 
Phil DeAngelis, its President

By: **MARICOPA GRANDE HOLDINGS I, L.L.C.,**
an Arizona limited liability company,
its Member

By: 
Craig Emerson, its Manager

By: 
Mike Anderson, its Manager

SANTA CRUZ LAND COMPANY
7890 E. McClain Drive, Suite 5
Scottsdale, Arizona 85260
(480)889-9900

May 27, 2005

Ms. Cindy Liles
Santa Cruz Water Company, LLC
Palo Verde Utilities Company, LLC
22601 N. 19th Avenue, Suite 210
Phoenix, AZ 85027

Re: Water and Wastewater Services Southeast of the City of Maricopa

Dear Ms. Liles:

Please accept this letter as a request from Santa Cruz Land Company, the Optionee under that certain Option Agreement ("Option") dated March 1, 2004 ("Santa Cruz") for water and wastewater services to approximately 1,248 acres located Southeast of the City of Maricopa, Arizona, specifically referred to as the Southeast Expansion Area. Santa Cruz would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Santa Cruz acquired an Option on the 1,248 acres with the intent of rezoning and engineering the land for use as a master planned community to serve single family residential homes. Santa Cruz has completed the preliminary planning and has submitted a PAD Rezoning Package to Pinal County and anticipates County Approval in July 2005. The final plats and engineering will begin immediately following Rezoning Approval and Santa Cruz anticipates County Approval of all plats and engineering plans by March 2006.

Based on this expedited timeline and the financial obligations invested by Santa Cruz to date, please recognize the urgency and need for this property to be serviced by the Santa Cruz Water Company and Palo Verde Utilities Company. If a CC&N is not approved by February 2006, then the County will not approve the final plats and engineering for our project at that time; thus, resulting in a delay of our project.

Please contact me if you have any questions. I can be reached at 480-889-9900.

Sincerely,

SANTA CRUZ LAND COMPANY,
an Arizona Corporation

By: _____

Craig Emmerson, President

C. KRONWALD CHILDREN'S TRUST

1225 East Warner Road #8
Tempe, Arizona 85284

(480) 755-4740

October 27, 2005

Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Dear Valley Financial Center
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

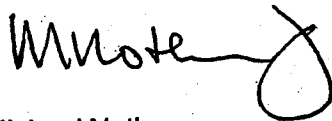
RE: Water and Wastewater Service for approximately 80 acres on the north side of Val Vista Road east of Papoose Road in Pinal County, AZ

Dear Ms. Liles,

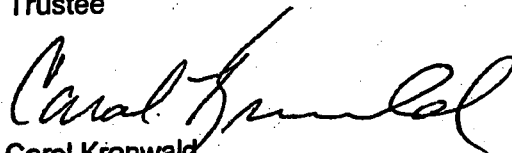
Please accept this letter as a request for service from Michael Nothum, Jr. Children's Irrevocable Trust I and Carol Kronwald Children's Irrevocable Trust I for water and wastewater service to approximately 80 acres on the north side of Val Vista Road east of Papoose Road. It is our intention to pursue the preliminary platting and rezoning of this land to serve single family residential homes.

We would like to be included in your next expansion of service areas for Santa Cruz Water Company and Pajo Verde Utility Company.

Sincerely,



Michael Nothum
Trustee



Carol Kronwald
Trustee

July 1, 2005

Ms. Cindy Liles
Global Water Resources, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services in Southeast Expansion Area

Dear Ms. Liles:

Please accept this letter as a request for water and wastewater services for approximately 807 acres located Southeast of the City of Maricopa, Arizona, specifically referred to as the Southeast Expansion Area. Hampden and Chambers, LLC and BevNorm Olive, LLC would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Hampden and Chambers, LLC and BevNorm Olive, LLC are currently in the process of obtaining a Comprehensive Plan amendment, rezoning the land, and preparing to submit a preliminary plat application. Securing water and wastewater services is critical to our land development efforts. We anticipate that our final plat will not be approved if water and wastewater services are not available.

Sincerely,

Hampden and Chambers, LLC
A Colorado Limited Liability Company

By:


Bruce Galloway, Manager

BevNorm Olive, LLC
An Arizona Limited Liability Company

By:


Bruce Galloway, Manager

KEJE Group, LLC
7854 W Sahara, Suite 100
Las Vegas, NV 89117
(702) 216-4663

June 27, 2005

Ms. Cindy Liles
Santa Cruz Water Company, LLC
Palo Verde Utilities Company, LLC
22601 N 19th Avenue, Suite 210
Phoenix, AZ 85027

Re: Water and Wastewater Services Southeast of the City of Maricopa

Dear Ms. Liles,

Please accept this letter as a formal request from KEJE Group, LLC for water and wastewater services to the approximately 80 acres of land located Southeast of the City of Maricopa in your Southeast Expansion Area, more specifically identified as APN 501-15-014B and located at the NEC of Porter Rd and Selma Highway. KEJE Group, LLC would like to be included in your next available expansion of service areas for Santa Cruz Water Company, LLC and Palo Verde Utilities Company, LLC

KEJE Group, LLC has recently acquired this land with the intent of rezoning and engineering the land for use as a residential community of single family homes. This process will commence in the coming months.

Based on the significant investment in this property and the upcoming entitlements, please recognize the urgency and need for including this property in your Southeast Expansion Area.

If you need any further details please contact my at the number listed above.

Sincerely,

KEJE Group, LLC

By: 

Kenneth H. Lowman, President
Premier Homesites, Inc
Its Co-Manager

Commercial Investments, Inc.

Real Estate Investment and Development

June 21, 2005

Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Dear Valley Financial Center
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

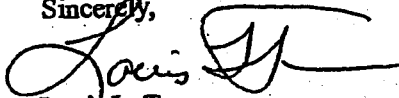
RE: Water and Wastewater Service for approximately 95.5 acres at the SEC of Stanfield Rd. and Miller Road in Pinal County, AZ

Please accept this letter as a request for service from Stanfield Estates (EASTPAC, LLC, GKH Limited, LP and Loren Huweiler - Owners) and Commercial Investments, Inc (Managing Partner) for water and wastewater service to approximately 95.5 acres at the SEC Stanfield Rd. and Miller Roads. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

Stanfield Estates would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Please contact me if you have any questions, I can be reached at (602) 861-2202

Sincerely,



Louis L. Turner
Managing Partner
Stanfield Estates

StanfieldGlobalWaterService Ltr6-21-05

10000 N. 31st Avenue, Suite C-109 • Phoenix, AZ 85051

Office: (602) 861-2202 • Fax: (602) 862-6918

July 29, 2005

Ms. Cindy Liles
Santa Cruz Water Company
Palo Verde Utilities Company
22601 N. 19th Ave.
Phoenix, AZ 85027

Re: Water and Sewer Service in the area of Stanfield, Arizona

Dear Ms. Liles:

Please accept this letter as a request from Vanderbilt Farms, LLC for water and sewer service to approximately 1920 acres (a.k.a. Thude) located north of Stanfield, AZ within the Southeast Expansion Area. The Requestor would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Vanderbilt has approved rezoning and a PAD on the land for use as a master planned community. Vanderbilt anticipates commencement of site engineering upon the availability of water and sewer service.

Please contact me at the number below if you have any questions.

Sincerely,

Vanderbilt Farms LLC.
an Arizona Limited Liability company

By: 

Its: 

1121 West Warner Rd., Suite 109
Tempe, Arizona 85284
(480)831-2000 fax (480) 893-1604

June 28, 2005

Ms. Cindy Liles
Santa Cruz Water Company, LLC
Palo Verde Utilities Company, LLC
22601 N. 19th Ave, Suite 210
Phoenix, AZ 85027

Re: Water and Wastewater Services Southeast of the City of Maricopa

Dear Ms. Liles:

Please accept this letter as a request from TOM-T, L.L.C., T & T FARMS, L.L.C., and TTTT FARMS, LLC, for water and wastewater services to approximately 1,213 acres located on the south side of Highway 84 from Stanfield Road to White and Parker Road, Pinal County, Arizona. I would like the property to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company, which I understand is specifically referred to as the Southeast Expansion Area.

A PAD Rezoning Package is currently being prepared for submittal to Pinal County for approval of a master planned community and water and wastewater services are needed to serve single family residential homes and other planned uses. Following rezoning approval, the engineering and platting of the property will commence and approval of the CC&N is necessary for the County to approve final plats. It is my request that the CC&N approval be obtained as soon as possible to avoid any delays in serving the property.

Please contact me if you have any questions. I can be reached at (602) 390-2733.

Sincerely,


~~\$\$\$~~

Thomas M. Dugan, Managing Member of
TOM-T, L.L.C., an Arizona limited liability company,
T & T FARMS, L.L.C., an Arizona limited liability company, and
TTTT FARMS, LLC, an Arizona limited liability company

July 29, 2005

Ms Cindy Liles
Santa Cruz Water Company
Palo Verde Utilities Company
22601 N. 19th Ave.
Phoenix, AZ 85027

Re: Water and Sewer Service in the area of Stanfield, Arizona

Dear Ms. Liles:

Please accept this letter as a request from ROB-LIN Marketing, Inc. for water and sewer service to approximately 1228 acres (a.k.a. Talla) located north of Stanfield, AZ within the Southeast Expansion Area. The Requestor would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Talla has approved rezoning and a PAD on the land for use as a master planned community. ROB-LIN anticipates commencement of site engineering upon the availability of water and sewer service.

Please contact me at the number below if you have any questions.

Sincerely,

ROB-LIN Marketing Inc.,
an Arizona Corporation


By: Judy Wolfswinkel

Its: RESIDENT

SCR, L.L.C.

May 25, 2005

Ms. Cindy Liles
Santa Cruz Water Company, LLC
Palo Verde Utilities Company, LLC
22601 N. 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services Southeast of the City of Maricopa

Dear Ms. Liles:

Please accept this letter as a request from SCR, LLC, ("Owner") for water and wastewater services to approximately 674 acres located Southeast of the City of Maricopa, Arizona specifically referred to as the Southeast Expansion Area. Owner would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Owner intends to rezone and engineer the land for the use of a master planned community to serve single family residential homes. The Owner has completed the preliminary planning and has submitted a PAD Rezoning Package to Pinal County and anticipates County Approval in July 2005. The final plats and engineering will begin immediately following Rezoning Approval and the Owner anticipates County Approval of all plats and engineering plans by March 2006.

Based on this expedited timeline and the financial obligations invested by the Owner to date, please recognize the urgency and need for this property to be serviced by the Santa Cruz Water Company and Palo Verde Utilities Company. If a CC&N is not approved by February 2006, then the County will not approve the final plats and engineering for our project at that time; thus, resulting in a delay of our project.

Please contact me if you have any questions. I can be reached at 480-889-9900.

Sincerely,

SCR:

SCR, LLC, an Arizona Limited Liability Company

By: 

Bryan Hartman, Managing Member

S:\Properties\Santa Cruz\Correspondence\Global Request for Services Ltr S C W C.doc

• 2555 East Camelback Road, Suite 200 Phoenix, Arizona 85016 •
Phone (602) 778-8700 • Fax (602) 778-8780

JP Holdings, L.P.

33046 W. Burns Rd. Stanfield, AZ 85272
(520) 424-3303 (520) 424-3364 f

June 3, 2005

Ms. Cindy Liles
Santa Cruz Water Company, LLC
Palo Verde Utilities Company LLC
22601 N. 19th Avenue
Phoenix, AZ 85027

**RE: Water and Wastewater Services
Southeast of the City of Maricopa**

Dear Ms. Liles:

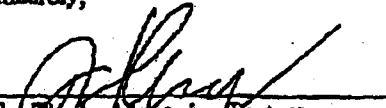
Please accept this letter of agreement from JP Holdings LP ("Owner") allowing Anderson & Miller 694 LLP ("Buyer") to request water and wastewater services to approximately 689 Ac located Southeast of the City of Maricopa, Arizona specifically referred to as the Southeast Expansion Area. The buyer would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Buyer will acquire the 689 Ac from the owner on March 1st 2006 with intent of rezoning and engineering the land for the use of a master planned community to serve single family residential homes. The Buyer has with our knowledge completed the preliminary planning and has submitted a PAD Rezoning Package to Pinal County and anticipates County approval in July 2005. The final plats and engineering will begin immediately following Rezoning Approval. The buyer anticipates County Approval of all plats and engineering by February 2006.

Based on this expedited timeline and the financial obligations invested by the Owner and Buyer to date, please recognize the urgency and need for this property to be serviced by the Santa Cruz Water Company and Palo Verde Utilities Company. If a CC&N is not approved by February 2006, then the County will not approve the final plats and engineering for their project at that time; thus resulting in a delay of their project.

Please contact Maryanne Lucas if you have any questions. She can be reached at (480) 889-9900.

Sincerely,


John Thode, Managing Partner
JP Holdings, LP

July 29, 2005

Ms. Cindy Liles
Santa Cruz Water Company
Palo Verde Utilities Company
22601 N. 19th Ave.
Phoenix, AZ 85027

Re: Water and Sewer Service in the area of Stanfield, Arizona

Dear Ms. Liles:

Please accept this letter as a request from ABCDW, LLC for water and sewer service to approximately 1942 acres (a.k.a. Stanfield 1942) located south of Stanfield, AZ within the Southeast Expansion Area. The Requestor would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

ABCDW has started planning and is preparing a PAD on the land for use as a master planned community. Vanderbilt anticipates commencement of site engineering upon the availability of water and sewer service.

Please contact me at the number below if you have any questions.

Sincerely,

ABCDW L.L.C.
an Arizona Limited Liability company

By: 

Its: 

1121 West Warner Rd., Suite 109
Tempe, Arizona 85284
(480)831-2000 fax (480) 893-1604



August 18, 2005

Ms. Cindy Liles
Santa Cruz Water Company, LLC
Palo Verde Utilities Company, LLC
22601 North 19th Avenue, Suite 210
Phoenix, Arizona 85027

Re: Water and Wastewater

Please accept this letter as a request from the following entity: Langley Stanmar 160, LLC, an Arizona limited partnership, for water and wastewater services. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

Robinson Family Farms, LLC, an Arizona limited partnership, would like to have their property included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Please contact Ken Quartermain you have questions at 480 633-0999.

Very truly yours,

Ken Quartermain
Langley Stanmar 160, LLC

August 18,2005

Ms. Cindy Liles
Santa Cruz Water Company, LLC
Palo Verde Utilities Company, LLC
22601 North 19th Avenue, Suite 210
Phoenix, Arizona 85027

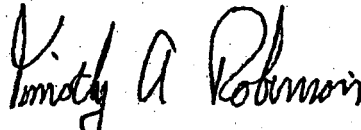
Re: Water and Wastewater

Please accept this letter as a request from the following entity: Robinson Family Farms, LLC, an Arizona limited partnership, for water and wastewater services. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

Robinson Family Farms, LLC, an Arizona limited partnership, would like to have their property included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Please contact Tim Robinson you have questions at 520 251-4488.

Very truly yours,



Timothy A. Robinson
Robinson Family Farms, LLC

Sep 08 05 08:51a

Mike Reinbold

480-275-5543

P.2

September 8, 2005

Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

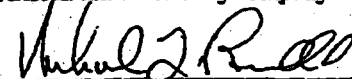
RE: Water and Wastewater Services

Please accept this letter as a request for service from Teel 80, LLC for water and wastewater services to approximately 82 acres, more particularly described as Exhibit A attached hereto. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

Teel 80, LLC would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Teel 80, LLC
an Arizona limited liability company

By:



Michael T. Reinbold
Administrative Agent

**Exhibit A
Legal Description**

The West half of the Southeast quarter of Section 25, Township 5 South, Range 3 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

Except all oil, gas and other minerals as reserved in Deed recorded as Docket 115, Page 57.

Aug 16 05 06:42p
08/16/05 09:28 FAX 480-283-1604

Paul Jorde

VISIUSU FAKINEND

480-283-0879

48000 P-2

Ms. Cindy Liles
Palo Verde Utilities Company, LLC
22601 N. 19th Ave., Ste. 210
Phoenix, AZ 85027

Re: Water and Sewer CC&N Expansion
Arizona Corporation Commission

Dear Ms. Liles:

The undersigned is owner or authorized representative of the owners of the red property described on the attached Exhibit A and being a part of the projects known as Jorde Hacienda located in Pinal County, Arizona. The owner(s) have no objection to Santa Cruz Water Company's and Palo Verde Utilities Company's inclusion of Owner's land described on Exhibit A in Palo Verde and Santa Cruz's CC&N expansion application.

Sincerely,
Jorde Hacienda, Inc., an Arizona corporation

Paul Jorde, President

8-16-05

By: Paul Jorde

Date

Its:

**EXHIBIT A TO
PURCHASE AND SALE AGREEMENT**

Legal Description

PARCEL NO. 1:

The Northeast quarter of Section 15, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

PARCEL NO. 2:

The South half of the South half of Section 11, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona;

EXCEPT that portion of the South half of the South half of Section 11, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona, which lies within a strip of land 300 feet in width, being 150 feet wide, when measured at right angles, on each side of the following described line:

BEGINNING at a point on the Easterly line of said Section 11 and from which the Southeast quarter of said section 11 bears South 00 degrees 01 minutes 40 seconds West, 867.59 feet distant therefrom;

Thence North 89 degrees 54 minutes 21 seconds West, (North 89 degrees 52 minutes 59 seconds West, record) along said centerline, a distance of 5286.33 feet to a point on the Westerly line of said Section 11, said point also being the point of terminus, and from which the Southwest corner of said Section 11 bears South 00 degrees 00 minutes 56 seconds West, 876.07 feet distant therefrom;

EXCEPT that portion of the South half of the South half of Section 11, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona, lying Easterly of the following described line:

BEGINNING at the Southeast corner of said Section 11;

Thence North 89 degrees 57 minutes 21 seconds West (North 89 degrees 52 minutes 59 seconds West, record) being parallel with the Southerly right-of-way line of the Yuma-Casa Grande Interstate Highway 8, a distance of 68.25 feet;

Thence North 00 degrees 01 minutes 40 seconds East (North 00 degrees 30 minutes 00 seconds East, record), being parallel with the Easterly line of said Section 11, a distance of 717.56 feet (716.90 feet record) to a point on said Southerly right-of-way line of the Yuma-Casa Grande Interstate Highway 8, said point also being the point of terminus of this description; and

EXCEPT that portion of the South half of the South half of Section 11, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona, lying Easterly of the following described line:

BEGINNING at the Southeast corner of said Section 11;

Thence North 00 degrees 03 minutes 00 seconds East 1866.90 feet;

Thence North 89 degrees 52 minutes 59 seconds West 57.31 feet;

Thence South 00 degrees 07 minutes 01 seconds West 400 feet;

Thence North 89 degrees 52 minutes 59 seconds West 9.33 feet;

Thence South 00 degrees 07 minutes 01 seconds West 175 feet;

Thence North 89 degrees 52 minutes 59 seconds West 122.93 feet;

Thence South 00 degrees 07 minutes 01 seconds West 275 feet to the North line of the first exception herein and the end of this line description.

PARCEL NO. 3:

The West half of Section 14, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

PARCEL NO 4:

The Northwest quarter and the North half of the Southwest quarter of Section 11, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

EXCEPT that portion conveyed to the State of Arizona in Docket 373, page 77 and in Docket 375, page 501.

PARCEL NO. 5:

The Northeast quarter and the North half of the Southeast quarter of Section 11, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

EXCEPT that portion conveyed to the State of Arizona in Docket 373, page 77 and in Docket 375, page 501.

PARCEL NO. 6:

The East half of Section 14, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona;

EXCEPT all the coal and other minerals as reserved in Patent from United States of America.

EXCEPT that portion conveyed to the State of Arizona by Deed recorded in Docket 383, page 330, described as follows:

The East 68.25 feet of the North 133.10 feet of Section 14, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

PARCEL NO. 7:

Lot 18 and the South half of the Northwest quarter and the North half of the Southwest quarter of Section 13, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona;

EXCEPT all coal and other minerals as reserved in Patent from United States of America.

PARCEL NO. 8:

Lots 19 and 20 of Section 13, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

PARCEL NO. 9:

That portion of the North half of the Northwest quarter of Section 24, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona, described as follows:

BEGINNING at the Southeast corner of the North half of the Northwest quarter of said Section 24;

Thence North 00 degrees 03 minutes East along the East line thereof, 500 feet;

Thence South 89 degrees 59 minutes 45 seconds West, parallel with the South line of the North half of the Northwest quarter of said Section 24, a distance of 232 feet;

Thence South 00 degrees 03 minutes West 500 feet to a point on the South line of the North half of the Northwest quarter of said Section 24;

Thence North 89 degrees 59 minutes 45 seconds East along said South line, 232 feet to the POINT OF BEGINNING.

PARCEL NO. 10:

Lots 5 and 6 of Section 24, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

EXCEPT all the coal and other minerals as reserved in Patent from United States of America.

PARCEL NO. 11:

The South half of the Southwest quarter of Section 13, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

PARCEL NO. 12:

Lots 5, 6, 7, 8, 17, 18, 19 and 20, Section 12, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

EXCEPT all that portion which lies within a strip of land 300 feet in width, being 150 feet, when measured at right angles on each side of the following described centerline:

BEGINNING at a point on the West line of Section 7, Township 7 South, Range 3 East, which point of 150 feet Southerly of the West quarter corner thereof;

Thence North 89 degrees 52 minutes 59 seconds West, a distance of 10562.63 feet, more or less, to a point on the West line of said Section 12 and the end of this centerline description; and

EXCEPT all the coal and other minerals as reserved in Patent from United State of America. (Affects Lots 5 and 6 of said Section 12)

PARCEL NO. 13:

The West half of Section 12, Township 7 South, Range 4 East of the Salt River Base and Meridian, Pinal County, Arizona;

EXCEPT all that portion which lies within a strip of land 300 feet in width, being 150 feet, when measured at right angles; on each side of the following described centerline:

BEGINNING at a point on the West line of Section 7, Township 7 South, Range 3 East, which point is 150 feet Southerly of the West quarter corner thereof;

Thence North 89 degrees 52 minutes 59 seconds West, a distance of 10562.63 feet, more or less, to a point on the West line of said Section 12 and the end of this centerline description; and

EXCEPT all the coal and other minerals as reserved in Patent from United States of America. (Affects the South half of the Southwest quarter of said Section 12); and

EXCEPT all that portion lying Westerly of the following described Line:

COMMENCING at the Northwest corner of Section 13, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona;

Thence South 00 degrees 03 minutes 00 seconds West, a distance of 133.10 feet;

Thence South 89 degrees 52 minutes 59 seconds East, a distance of 106.79 feet to the TRUE POINT OF BEGINNING;

Thence North 00 degrees 03 minutes 00 seconds East, a distance of 2000 feet and the end of this line description.

PARCEL NO. 14:

Government Lots 3 through 10 inclusive, 15, 16, 17, 21, 22 and the North half of the Northwest quarter of Section 13, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

PARCEL NO. 15:

- Government Lots 3 and 4, Section 24, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

BCY Limited Partnership

PO Box 826 - Gilbert, AZ 85299
Phone (480)988-3550 - Fax (480)988-9818

July 18, 2005

Ms. Cindy Liles
Santa Cruz Water Company, LLC
Palo Verde utilities Company, LLC
22601 North 19th Avenue, Suite 210
Phoenix, Arizona 85027

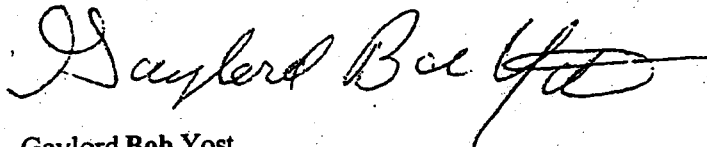
Re: Water and Wastewater

Please accept this letter as a request from the following entity: BCY Limited Partnership an Arizona limited partnership, (Gaylord Bob Yost, as trustee of the Gaylord Bob Yost Family Revocable Trust) for water and wastewater services. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

BCY Limited Partnership an Arizona limited partnership, would like to have their property included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Please contact Bob Yost you have questions at 480 988-3550.

Very truly yours,



Gaylord Bob Yost
BCY Limited Partnership an Arizona limited partnership

Cowley Companies

625 South Fifth Street

Suite E2

Phoenix AZ 85004

Phone 602.385.4200

Fax 602.385.4210

July 18,2005

Ms. Cindy Liles
Global Water Resources, LLC
Deer Valley Financial Center
22601 N 19* Ave, Ste 210
Phoenix AZ 85027

Re: Water and Wastewater Services


Dear Ms. Liles:

Please accept this letter as a request for service from Emerson Investments, LLC (Michael T. Cowley, Member) for water and wastewater service. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

Emerson Investments, LLC would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Please feel free to contact me if you have any questions at 602-385-4200.

Sincerely,


Michael T. Cowley, Member
Emerson Investments, LLC



Carmichael & Sons, LTD.
14515 East Elgin Street
Gilbert, Arizona 85296
(480) 814-9573
(480) 814-7633 Fax

July 18, 2005

Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Dear Valley Financial Center
22601 North 19th Avenue, Suite 210
Phoenix, Arizona 85027

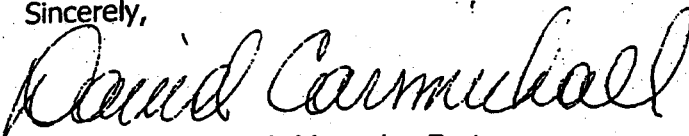
RE: Water and Wastewater Service

Please accept this letter as a request for service from Carmichael & Sons, LTD. (David Carmichael, Managing Partner) for water and wastewater service. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

Carmichael & Sons would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Please contact David Carmichael if you have any questions at (480) 814-9573.

Sincerely,



David L. Carmichael, Managing Partner
Carmichael & Sons, LTD.
14515 East Elgin Street
Gilbert, Arizona 85296
(480) 814-9573
(480) 814-7633 Fax

DLC/bp

July 18, 2005

Ms. Cindy Liles
Santa Cruz Water Company, LLC
Palo Verde Utilities Company, LLC
22601 North 19th Avenue, Suite 210
Phoenix, Arizona 85027

Re: Water and Wastewater

Please accept this letter as a request from the following entity: CACHE Investments, L.L.C. an Arizona limited partnership, (Gale J. Brimhall, as Co-Trustee of the Gale and Sherie Brimhall Family trust, and Dated December 22, 1998, Member and Sherie H. Brimhall, as Co-Trustee of the Gale and Sherie Brimhall Family trust, Dated December 22, 1998, Member) for water and wastewater services. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

CACHE Investments, L.L.C. an Arizona limited partnership, would like to have their property included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Please contact Bob Yost you have questions at 480 988-3550.

Very truly yours,

By: *Gale J. Brimhall*
Gale J. Brimhall, as Co-Trustee of the Gale and Sherie Brimhall Family trust,
Dated December 22, 1998, Member

By: *Sherie H. Brimhall*
Sherie H. Brimhall, as Co-Trustee of the Gale and Sherie Brimhall Family trust,
Dated December 22, 1998, Member



Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Dear Valley Financial Center
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Service

Please accept this letter as a request for service from Langley Farm Investment, LLC (Steve Rees, Manager) for water and wastewater service. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

Langley Farm Investments would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Please contact Steve Rees if you have any questions at (480) 633-0999.

Sincerely,

Steve Rees, Manager

Harvard Capital Limited Partnership

1819 East Southern Avenue
Suite B-10
Mesa, Arizona 85204
(480) 305-9500
Fax (480) 505-9501

August 4, 2005

Ms. Cindy Liles
Santa Cruz Water Company, LLC
Palo Verde Utilities Company, LLC
22601 North 19th Avenue Suite 210
Phoenix, Arizona 85027

Re: Water and Wastewater

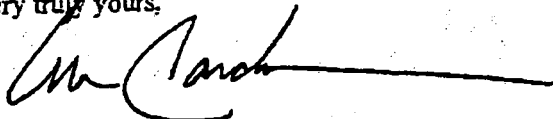
Dear Ms. Liles

Please accept this letter as a request from the following entity: Harvard Capital, LP, an Arizona limited partnership, for water and wastewater services. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

Harvard Capital, LP, an Arizona limited partnership, would like to have its property included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Please contact Wilford R. Cardon if you have questions at 480 926-3200.

Very truly yours,



Wilford R. Cardon, Manager
Harvard Capital, LP

DART PROPERTIES, LLC PO BOX 159, SACATON, AZ 85247

Ms. Cindy Liles
Santa Cruz Water Company, LLC
Palo Verde Utilities Company, LLC
22601 N. 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services Southeast of the City of Maricopa

Dear Ms. Liles:

Please accept this letter as a request from Dart Properties, LLC ("Owner") for water and wastewater services to approximately 618 acres located Southeast of the City of Maricopa, Arizona specifically referred to as the Southeast Expansion Area. Owner would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Please contact me with if you have any questions. I can be reached at (520) 418-3642.

Sincerely,


Terry F. Button, managing member

Dart Properties, LLC.

FROM :

FAX NO. :

Oct. 06 2005 01:54PM P3/6

October 5, 2005

Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Dear Valley Financial Center
22601 N. 19th Avenue, Suite 210
Phoenix, AZ 85027


RE: Water and Wastewater Service for approximately 30 acres at the NWC of Woodruff Road and Montgomery Road in Pinal County, Arizona. Pinal County Tax Parcel Numbers: 502-38-009, 502-38-013A, 502-38-013B.


Please accept this letter as a request for service from CRW Holdings I, LLC and Mark C. Williams (Managing Member) and Matt Ladendorf (Member) for water and wastewater service to approximately 30 acres at the NWC of Woodruff Road and Montgomery Road.

We would like this 30 acres to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Please contact me if you have any questions. I can be reached at 480-449-1667.

Sincerely,


Mark C. Williams
Managing Member
CRW Holdings I, LLC


Matt Ladendorf
Member
CRW Holdings I, LLC

October 5, 2005

Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Dear Valley Financial Center
22601 N. 19th Avenue, Suite 210
Phoenix, AZ 85027


RE: Water and Wastewater Service for approximately 40 acres at the NWC of Val Vista Road and Montgomery Road in Pinal County, Arizona. Pinal County Tax Parcel Number: 502-32-009D.

Please accept this letter as a request for service from Val Vista & Montgomery, LLC and Mark C. Williams (Managing Member) for water and wastewater service to approximately 40 acres at the NWC of Val Vista Road and Montgomery Road.

We would like this 40 acres to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Please contact me if you have any questions. I can be reached at 480-449-1667.

Sincerely,


Mark C. Williams
Managing Member
Val Vista & Montgomery, LLC

September 9, 2005


Ms. Cindy Liles
Vice President and CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services

Dear Ms. Liles,

Please accept this letter as a request for service from Gallup Financial, LLC for water and wastewater services to approximately 2700 acres, more particularly described as Exhibit A attached hereto. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area, in order to serve single family residential homes, multi-family residential homes, and/or commercial uses.

Gallup Financial, LLC would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Gallup Financial LLC
An Arizona Limited Liability Company.
By Philip J Polich

Its: Managing Member

**EXHIBIT A
LEGAL DESCRIPTION
POLICH PARCELS
WATER AND SEWER SERVICE AGREEMENT**

THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 24,
TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER MERIDIAN,
PINAL COUNTY, ARIZONA.

THE NORTHWEST QUARTER OF SECTION 18, TOWNSHIP 5 SOUTH, RANGE 5 EAST,
OF THE GILA AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA.

THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 19,
TOWNSHIP 5 SOUTH, RANGE 5 EAST OF THE GILA AND SALT RIVER MERIDIAN,
PINAL COUNTY, ARIZONA.

THE EAST HALF OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF
SECTION 29, TOWNSHIP 5 SOUTH, RANGE 5 EAST OF THE GILA AND SALT RIVER
MERIDIAN, PINAL COUNTY, ARIZONA.

THE SOUTH 1878.00 FEET OF SECTION 31, TOWNSHIP 5 SOUTH, RANGE 5 EAST OF
THE GILA AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA.
EXCEPT THE SOUTH HALF OF THE SOUTHWEST QUARTER OF THE SOUTHWEST
QUARTER OF SAID SECTION 31.

THE NORTH HALF OF SECTION 32, TOWNSHIP 5 SOUTH, RANGE 5 EAST OF THE
GILA AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA.

THE NORTH HALF OF SECTION 6, TOWNSHIP 6 SOUTH, RANGE 5 EAST OF THE GILA
AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA.

RECEIVED

DEC 07 2005

September 9, 2005

Ms. Cindy Liles
Vice President and CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services

Dear Ms. Liles,

Please accept this letter as a request for service from Gallup Financial, LLC for water and wastewater services to approximately 2700 acres, more particularly described as Exhibit A attached hereto. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area, in order to serve single family residential homes, multi-family residential homes, and/or commercial uses.

Gallup Financial, LLC would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Gallup Financial LLC
An Arizona Limited Liability Company.

By Philip J. Polich
Its: Managing Member

EXHIBIT A
INFRASTRUCTURE COORDINATION AGREEMENT

LEGAL DESCRIPTION OF LAND

Legal Description

Grande Valley

Parcel No. 1:

A portion of Sections 29, 30, and 31, Township 5 South, Range 5 East of the Gila and Salt River Meridian, Pinal County, Arizona, more particularly described as follows:

COMMENCING at the Northwest corner of said Section 30, the TRUE POINT OF BEGINNING;

THENCE North 89 degrees 39 minutes 12 seconds East, a distance of 2662.57 feet to the North quarter corner of said section 30;

THENCE North 89 degrees 39 minutes 11 seconds East, a distance of 2651.77 feet to the Northeast corner of said Section 30 said point also being the Northwest corner of said Section 29;

THENCE South 89 degrees 56 minutes 22 seconds East, along the North line of said Section 29, a distance of 1330.23 feet;

THENCE South 00 degrees 02 minutes 39 seconds West, a distance of 1318.35 feet;

THENCE South 89 degree 56 minutes 46 seconds East, a distance of 1217.90 feet;

THENCE South 00 degrees 04 minutes 18 seconds West, a distance of 1318.14 feet;

THENCE South 00 degrees 05 minutes 45 seconds West, a distance of 2637.11 feet to a point on the South line of said Section 29;

THENCE North 89 degrees 57 minutes 34 seconds West, a distance of 2542.75 feet to the Southwest corner of said Section 29, said point also being the Northeast corner of said Section 31;

THENCE South 00 degrees 10 minutes 05 seconds West, along the West line of said Section 31, a distance of 198.73 feet to a point on the Northerly right-of-way line of the Maricopa-Casa Grande Highway;

THENCE North 53 degrees 48 minutes 11 seconds West, along said right-of-way line, a distance of 6582.80 feet to a point on the West line of said Section 30;

THENCE North 00 degrees 00minutes 39 seconds East, a distance of 1553.34 feet to the TRUE POINT OF BEGINNING.

EXCEPT an undivided 1/4 interest of all minerals as reserved in Deed recorded June 17, 1985 in Docket 1293, Page 3 16 and Docket 779, Page 468.

Parcel No. 2:

A portion of Sections 30 and 31, Township 5 South, Range 5 East, and Section 25, Township 5 South, Range 4 East of the Gila and Salt River Meridian, Pinal County, Arizona, more particularly described as follows:

COMMENCING at the Northwest corner of said Section 31, said point also being the Southwest corner of said Section 30, the TRUE POINT OF BEGINNING;

THENCE North 00 degrees 03 minutes 35 seconds West, a distance of 41 8.83 feet to the Southeast corner of said Section 25;

THENCE North 88 degrees 21 minutes 52 seconds West, along the South line of said Section 25, a distance of 1000.41 feet;

THENCE North 00 degrees 00 minutes 04 seconds West, a distance of 3501.85 feet;

THENCE South 53 degrees 48 minutes 11 seconds East, a distance of 3495.30 feet;

THENCE South 00 degrees 10 minutes 05 seconds West, a distance of 5274.90 feet;

THENCE South 89 degrees 35 minutes 00 seconds West, a distance of 1805.25 feet to a point on the West line of said Section 31 ;

THENCE North 00 degrees 05 minutes 28 seconds West, a distance of 760.64 feet to the West quarter corner of said Section 31 ;

THENCE North 00 degrees 02 minutes 13 seconds East, a distance of 2642.33 feet to the TRUE POINT OF BEGINNING.

Parcel No. 3:

A portion of Sections 30 and 31, Township 5 South, Range 5 East of the Gila and Salt River Meridian, Pinal County, Arizona, more particularly described as follows:

COMMENCING at the Northeast corner of said Section 31, said point also being the Southeast corner of said Section 30;

THENCE South 00 degrees 10 minutes 05 seconds West, along the East line of said Section 31, a distance of 705.70 feet to the TRUE POINT OF BEGINNING;

THENCE continuing South 00 degrees 10 minutes 05 seconds West, a distance of 1929.64 feet to the East quarter corner of said Section 31;

THENCE South 00 degrees 03 minutes 41 seconds West, along the East line of the Southeast quarter of said Section 31, a distance of 765.61 feet;

THENCE South 89 degrees 35 minutes 00 seconds West, a distance of 3499.32 feet;

THENCE North 00 degrees 10 minutes 05 seconds East, a distance of 5274.90 feet;

THENCE South 53 degrees 48 minutes 11 seconds East, a distance of 4325.00 feet to the TRUE POINT OF BEGINNING.

Tax Assessor Parcel Numbers:

502-38-004A	502-38-004B	502-38-005A
502-38-005B	502-38-0120	502-39-002A
502-39-0023	502-39-0043	502-39-004C
502-39-004D	503-29-0010	502-25-010B
502-25-010C	502-25-010D	

October 5, 2005

Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Deer Valley Financial Center
22601 N. 19th Avenue, Suite 210
Phoenix, AZ 85027

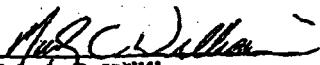
RE: Water and Wastewater Service for approximately 160 acres at the SWC of Woodruff Road and Montgomery Road in Pinal County, Arizona (Pinal County Tax Parcel Number 502-25-009).

Please accept this letter as a request for service from Williams Family Revocable Trust, UTA; Lora G. Williams Special Trust, UTA; Lora A. Williams Trust, UTA, and Mark C. Williams Revocable Trust, UTA (Owners) and Mark C. Williams (Trustee) for water and wastewater service to approximately 160 acres at the SWC of Woodruff Road and Montgomery Road,

We would like this 160 acres to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Please contact me if you have any questions. I can be reached at 480-449-1667.

Sincerely,


Mark C. Williams
Trustee

September 9, 2005

Ms. Cindy Liles
Vice President and CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services

Dear Ms. Liles,

Please accept this letter as a request for service from Sacaton BL LLC for water and wastewater services to approximately 280 acres, more particularly described as Exhibit A attached hereto. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area, in order to serve single family residential homes, multi-family residential homes, and/or commercial uses.

Sacaton BL LLC would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Sacaton BL LLC
An Arizona Limited Liability Company
By Brown & Bain, P.A. Retirement
Savings Plan and Trust
By Kyle B. Hettfnger, Trustee

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Legal Descriptions

The East half of the Southwest quarter of Section 17, Township 5 South, Range 5 East of the Gila and Salt River Base and Meridian.

The West half of the Southwest Quarter of Section 17, Township 5 South, Range 5 East of the Gila and Salt River Base and Meridian.

The West half of the Southeast Quarter of Section 17, Township 5 South, Range 5 East of the Gila and Salt River Base and Meridian.

The Northeast quarter of the Southeast quarter of Section 17, Township 5 South, Range 5 East of the Gila and Salt River Base and Meridian.

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September 9, 2005


Ms. Cindy Liles
Vice President and CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

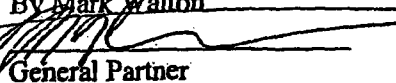
RE: Water and Wastewater Services

Dear Ms. Liles,

Please accept this letter as a request for service from Trading Post Road, LLC and DLW Associates Limited Partnership for water and wastewater services to approximately 60 acres, more particularly described as Exhibit A attached hereto. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area, in order to serve single family residential homes, multi-family residential homes, and/or commercial uses.

Trading Post Road LLC and DLW Limited Partnership would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Trading Post Road LLC
A Michigan Limited Liability Company
By 
Managing Member

DLW Associates LP
A Michigan Limited Partnership
By 
General Partner

APR 10 1988
APR 10 1988
APR 10 1988

**LEGAL DESCRIPTION
FOR
TRADING POST ROAD, LLC**

**THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER TOGETHER
WITH THE NORTH HALF OF THE SOUTHWEST QUARTER OF THE
NORTHWEST QUARTER OF SECTION 20, TOWNSHIP 5 SOUTH, RANGE 5
EAST, GILA & SALT RIVER BASE MERIDIAN, PINAL COUNTY, ARIZONA**

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222

September 9, 2005

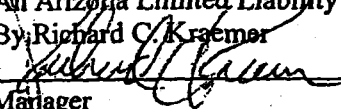
Ms. Cindy Liles
Vice President and CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services

Dear Ms. Liles,

Please accept this letter as a request for service from Chartwell Casa Grande 40 LLC for water and wastewater services to approximately 40 acres, more particularly described as Exhibit A attached hereto. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area, in order to serve single family residential homes, multi-family residential homes, and/or commercial uses.

Chartwell Casa Grande 40 LLC would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Chartwell Casa Grande 40 LLC
An Arizona Limited Liability Company
By: Richard C. Kraemer

Manager

LEGAL DESCRIPTION
FOR
CHARTWELL, LLC

THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 20,
TOWNSHIP 5 SOUTH, RANGE 5 EAST, GILA & SALT RIVER BASE MERIDIAN,
PINAL COUNTY, ARIZONA

September 9, 2005


Ms. Cindy Liles
Vice President and CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services

Dear Ms. Liles,

Please accept this letter as a request for service from Casa Grande Montgomery 240 Limited Partnership LLLP for water and wastewater services to approximately 240 acres, more particularly described as Exhibit A attached hereto. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area, in order to serve single family residential homes, multi-family residential homes, and/or commercial uses.

Casa Grande Montgomery 240 Limited Partnership LLLP would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Casa Grande Montgomery 240 Limited Partnership LLLP
An Arizona Limited Partnership
By LKY Real Estate LLC

Manager

APR 20 1967
APR 20 1967
APR 20 1967

**LEGAL DESCRIPTION
FOR
CASA GRANDE MONTGOMERY 240**

**THE NORTHEAST QUARTER TOGETHER WITH THE EAST HALF OF THE
NORTHWEST QUARTER OF SECTION 20, TOWNSHIP 5 SOUTH, RANGE 5
EAST, GILA & SALT RIVER BASE MERIDIAN, PINAL COUNTY, ARIZONA**

08/21/67

September 9, 2005

Ms. Cindy Liles
Vice President and CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

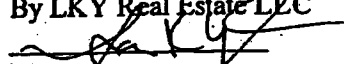
RE: Water and Wastewater Services

Dear Ms. Liles,

Please accept this letter as a request for service from CG 215 Limited Partnership LLLP for water and wastewater services to approximately 215 acres, more particularly described as Exhibit A attached hereto. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area, in order to serve single family residential homes, multi-family residential homes, and/or commercial uses.

CG 215 Limited Partnership LLLP would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

CG 215 Limited Partnership LLLP
An Arizona Limited Partnership
By LKY Real Estate LLC


Manager

**LEGAL DESCRIPTION
FOR
CG215 LP**

**THE EAST HALF OF SECTION 25, TOWNSHIP 5 SOUTH, RANGE 4 EAST, GILA
& SALT RIVER BASE MERIDIAN, PINAL COUNTY, ARIZONA, TOGETHER
WITH THAT PORTION OF THE NORTHWEST QUARTER OF SAID SECTION 25
LYING NORTHERLY OF THE NORTHERLY RIGHT-OF-WAY OF THE
MARICOPA-CASA GRANDE HIGHWAY, EXCEPT THE EASTERLY 1000 FEET
OF SAID SECTION 25 LYING SOUTHERLY OF THE SOUTHERLY RIGHT-OF-
WAY LINE OF THE UNION PACIFIC RAILROAD RIGHT-OF-WAY.**

September 9, 2005

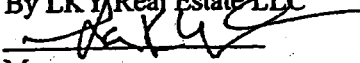
Ms. Cindy Liles
Vice President and CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services

Dear Ms. Liles,

Please accept this letter as a request for service from Montgomery 156 Limited Partnership LLLP for water and wastewater services to approximately 156 acres, more particularly described as Exhibit A attached hereto. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area, in order to serve single family residential homes, multi-family residential homes, and/or commercial uses.

Montgomery 156 Limited Partnership LLLP would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Montgomery 156 Limited Partnership LLLP
An Arizona Limited Partnership
By LKY Real Estate LLC

Manager

APR 19 1968
APR 19 1968
APR 19 1968

**LEGAL DESCRIPTION
FOR
MONTGOMERY 156**

**LOTS 3 AND 4 AND THE SOUTH HALF OF THE NORTHWEST QUARTER OF
SECTION 5, TOWNSHIP 6 SOUTH, RANGE 5 EAST, GILA & SALT RIVER BASE
MERIDIAN, PINAL COUNTY, ARIZONA, EXCEPT THAT PORTION OF THE
MARICOPA CASA GRANDE HIGHWAY RIGHT-OF-WAY AND THE ADJACENT
UNION PACIFIC RAILROAD RIGHT-OF-WAY WITHIN SAID LOTS 3 AND 4.**

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September 9, 2005

Ms. Cindy Liles
Vice President and CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services

Dear Ms. Liles,

Please accept this letter as a request for service from Robin R. Yount, LTD. for water and wastewater services to approximately 40 acres, more particularly described as Exhibit A attached hereto. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area, in order to serve single family residential homes, multi-family residential homes, and/or commercial uses.

Robin R. Yount, LTD. would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Robin R. Yount, LTD.

By Larry K. Yount


Its: Secretary

**LEGAL DESCRIPTION
FOR
ROBIN R YOUNT , LTD**

**THE WEST HALF OF THE WEST HALF OF THE SOUTHEAST QUARTER OF
SECTION 19, TOWNSHIP 5 SOUTH, RANGE 5 EAST, GILA & SALT RIVER BASE
& MERIDIAN, PINAL COUNTY, ARIZONA.**

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September 9, 2005


Ms. Cindy Liles
Vice President and CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services

Dear Ms. Liles,

Please accept this letter as a request for service from RRY Casa Grande 320 Limited Partnership LLLP for water and wastewater services to approximately 320 acres, more particularly described as Exhibit A attached hereto. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area, in order to serve single family residential homes, multi-family residential homes, and/or commercial uses.

RRY Casa Grande 320 Limited Partnership LLLP would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

RRY Casa Grande 320 Limited Partnership LLLP
An Arizona Limited Partnership
By LKY Real Estate LLC

Manager

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**LEGAL DESCRIPTION
FOR
RRY CASA GRANDE 320**

**THE NORTH HALF OF SECTION 19, TOWNSHIP 5 SOUTH, RANGE 5 EAST,
GILA & SALTRIVER BASE & MERIDIAN, PINAL COUNTY, ARIZONA.**

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September 9, 2005

Ms. Cindy Liles
Vice President and CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services

Dear Ms. Liles,

Please accept this letter as a request for service from RRY Real Estate, LLC for water and wastewater services to approximately 40 acres, more particularly described as Exhibit A attached hereto. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area, in order to serve single family residential homes, multi-family residential homes, and/or commercial uses.

RRY Real Estate, LLC would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

RRY Real Estate, LLC
An Arizona Limited Liability Company
By Robin R. Yount, LTD
Manager


Its: Secretary

APR 19 1968

**LEGAL DESCRIPTION
FOR
RRY REAL ESTATE**

**THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 24,
TOWNSHIP 5 SOUTH, RANGE 4 EAST, GILA & SALT RIVER BASE &
MERIDIAN, PINAL COUNTY, ARIZONA.**

September 9, 2005

Ms. Cindy Liles
Vice President and CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027


RE: Water and Wastewater Services

Dear Ms. Liles,

Please accept this letter as a request for service from SVVM 80 Limited Partnership LLLP for water and wastewater services to approximately 80 acres, more particularly described as Exhibit A attached hereto. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area, in order to serve single family residential homes, multi-family residential homes, and/or commercial uses.

SVVM 80 Limited Partnership LLLP would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

SVVM 80 Limited Partnership LLLP
An Arizona Limited Partnership
By LKY Real Estate LLC


Manager

**LEGAL DESCRIPTION
FOR
SVVM 80**

**THE SOUTH HALF OF THE NORTHEAST QUARTER OF SECTION 29,
TOWNSHIP 5 SOUTH, RANGE 5 EAST, GILA & SALT RIVER BASE MERIDIAN,
PINAL COUNTY, ARIZONA.**

September 9, 2005

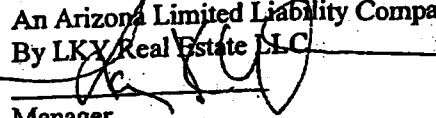
Ms. Cindy Liles
Vice President and CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services

Dear Ms. Liles,

Please accept this letter as a request for service from VV Monty LLC for water and wastewater services to approximately 60 acres, more particularly described as Exhibit A attached hereto. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area, in order to serve single family residential homes, multi-family residential homes, and/or commercial uses.

VV Monty LLC would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

VV Monty LLC
An Arizona Limited Liability Company
By LKY/Real Estate LLC

Manager

APR 19 1964
APR 19 1964

**LEGAL DESCRIPTION
FOR
W MONTY**

**THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER TOGETHER
WITH THE SOUTH HALF OF THE SOUTHWEST QUARTER OF THE
SOUTHEAST QUARTER OF SECTION 20, TOWNSHIP 5 SOUTH, RANGE 5 EAST,
GILA & SALT RIVER BASE MERIDIAN, PINAL COUNTY, ARIZONA**

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September 9, 2005

Ms. Cindy Liles
Vice President and CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services

Dear Ms. Liles,

Please accept this letter as a request for service from 120 Townsend LLC for water and wastewater services to approximately 200 acres, more particularly described as Exhibit A attached hereto. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area, in order to serve single family residential homes, multi-family residential homes, and/or commercial uses.

120 Townsend LLC would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.


120 Townsend LLC
An Arizona limited liability company
Robin R Yount, LTD.
By Larry K. Yount

Its: Secretary

EXHIBIT A

INFRASTRUCTURE COORDINATION AGREEMENT

LEGAL DESCRIPTION OF LAND

The East half of the Northwest quarter and the Northwest quarter of the Northeast quarter of Section 24, Township 5 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona;

Along with:

The North half of the West half of the Southeast quarter of Section 24, Township 5 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona;

Along with:

The South half of the Northwest quarter of the Southwest quarter and the North half of the Southwest quarter of the Southwest quarter of Section 20, Township 5 South, Range 5 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

September 9, 2005

Ms. Cindy Liles
Vice President and CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services

Dear Ms. Liles,

Please accept this letter as a request for service from NS 120 Limited Partnership LLLP for water and wastewater services to approximately 120 acres, more particularly described as Exhibit A attached hereto. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area, in order to serve single family residential homes, multi-family residential homes, and/or commercial uses.

NS 120 Limited Partnership LLLP would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.


NS 120 Limited Partnership LLLP
An Arizona Limited Partnership
By LKY Real Estate LLC

Manager

EXHIBIT A

INFRASTRUCTURE COORDINATION AGREEMENT

LEGAL DESCRIPTION OF LAND

The Southwest quarter of the Northeast quarter and the Northeast quarter of the Southeast quarter of Section 24, Township 5 South, Range 4 East, of the Gila and Salt River Base and Meridian, Pinal County, Arizona;

Along with:

The Southeast quarter of the Northeast quarter of Section 24, Township 5 South, Range 4 East, of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

September 9, 2005

Ms. Cindy Liles
Vice President and CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services

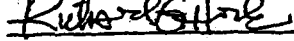
Dear Ms. Liles,

Please accept this letter as a request for service from Richard and Dana LLC for water and wastewater services to approximately 20 acres, more particularly described as Exhibit A attached hereto. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area, in order to serve single family residential homes, multi-family residential homes, and/or commercial uses.

Richard and Dana LLC would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Richard and Dana LLC
An Arizona Limited Liability Company

By Richard G. Hock



Manager

EXHIBIT A

INFRASTRUCTURE COORDINATION AGREEMENT

LEGAL DESCRIPTION OF LAND

The North half of the South half of the West half of the Southeast quarter of Section 24, Township 5 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona;

Along with:

The South half of the Southwest quarter of the Southwest quarter of Section 20, Township 5 South, Range 5 East, of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

September 9, 2005

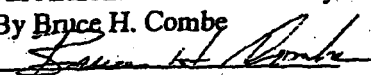
Ms. Cindy Liles
Vice President and CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services

Dear Ms. Liles,

Please accept this letter as a request for service from Bruce and Karen LLC for water and wastewater services to approximately 20 acres, more particularly described as Exhibit A attached hereto. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area, in order to serve single family residential homes, multi-family residential homes, and/or commercial uses.

Bruce and Karen LLC would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Bruce and Karen LLC
An Arizona Limited Liability Company
By Bruce H. Combe

Manager

FORM 148
APRIL 1968

EXHIBIT A

INFRASTRUCTURE COORDINATION AGREEMENT

LEGAL DESCRIPTION OF LAND

The South half of the South half of the West half of the Southeast quarter of Section 24,
Township 5 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County,
Arizona;

Along with:

The North half of the Northwest quarter of the Southwest quarter of Section 20,
Township 5 South, Range 5 East, of the Gila and Salt River Base and Meridian, Pinal County,
Arizona.

BLEVINS FARMS

3345 N FUGUA RD. STANFIELD, AZ 85272

480-883-1311

520-524-3671

520-424-3673(FAX)

December 16, 2005

Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Dear Valley Financial Center
22601 North 19th Ave, Suite 210
Phx, AZ 85027

RE: Water and Wastewater Service for approximately 160 acres at Northeast Corner of Barnes and Stanfield roads the legal description of this property is NE of SEC 7-6s-4E

Dear Ms Liles,

Please accept this letter as a request for service from Brian Blevins owner and manager of this property for service of water and wastewater to 160 acres at the SW corner of Barnes and Stanfield roads it is our intent to pursue and sell this 160 acres to a future developer. The legal description of this property is NE of Sec 7-6S-4E. I would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

I also understand that Global Water Resources, LLC (Global") is in the process of filing an application for an amendment to the CAAG 208 Area wide plan for its subsidiary Palo Verde Utility Company ("PVUC") in the vicinity that it is located southeast of the City of Maricopa, specifically in the area known as the Southeast Expansion Area. We do not oppose a

Dec 16 05 10:59a

MAIL ROOM

P-4

expand
We desire
service areas
needed in the future

4550.

Thank you,



Brain Blevins
Managing Partner
Blevins Farms

ARIZONA WATER COMPANY
Comparative Statement of Income
November 30, 2005

	12 MONTHS TO DATE		NOVEMBER		11 Months to Date	
	2005	2004	2005	2004	2005	2004
EARNING REVENUE	\$ 41,631,549	\$ 39,749,767	\$ 3,495,981	\$ 3,113,394	\$ 38,629,811	\$ 37,025,151
OPERATING EXPENSES						
Operation and Maintenance	20,181,747	18,550,051	1,599,692	1,488,006	18,701,155	17,147,687
Depreciation	5,343,823	4,705,584	445,285	387,585	4,892,058	4,406,695
Taxes Other Than Income Taxes	5,903,699	5,944,118	489,164	438,089	5,472,266	5,243,433
Income Taxes	3,205,704	3,486,723	280,911	194,935	3,279,556	3,547,104
Total Operating Expenses	<u>34,634,973</u>	<u>32,386,456</u>	<u>2,795,052</u>	<u>2,518,615</u>	<u>32,345,035</u>	<u>30,344,919</u>
EARNING INCOME	6,996,576	7,383,311	700,929	594,779	6,284,776	6,680,232
OTHER (INCOME) AND DEDUCTIONS						
Other (Income) - Net	(3,699,760)	(475,866)	(38,180)	(15,715)	(440,648)	(463,384)
Interest on Long-Term Debt	1,815,466	1,852,467	149,233	152,317	1,663,150	1,697,067
Other Interest and Amortization	77,360	(90,545)	30,489	(8,769)	86,224	(85,082)
Total Other (Income) and Deductions	<u>(1,806,934)</u>	<u>1,286,056</u>	<u>141,542</u>	<u>127,833</u>	<u>1,308,726</u>	<u>1,148,591</u>
NET INCOME	8,803,510	6,097,255	559,387	468,946	4,976,050	5,531,941
Regular Common Dividends	3,968,300	3,677,400				
INCOME RETAINED	\$ 4,837,210	\$ 2,419,855				
Five Services	77,410	72,633				

ARIZONA WATER COMPANY
Comparative Balance Sheet
at November 30, 2005

ASSETS

	Nov. 30, 2005	Nov. 30, 2004	Increase (Decrease)
UTILITY PLANT			
Gross Utility Plant	251,683,033	220,934,598	\$ 30,748,435
Less Accumulated Depreciation	61,560,561	56,524,218	5,036,343
Net Utility Plant	190,122,472	164,410,380	25,712,092
CURRENT ASSETS			
Cash on Hand and in Banks	498,243	1,267,105	(768,862)
Investments and Special Deposits	2,703	502,703	(500,000)
Accounts Receivable	2,786,766	2,475,976	310,790
Materials and Supplies	273,827	285,520	(11,693)
Other	404,901	455,218	(50,317)
Total Current Assets	3,966,440	4,986,522	(1,020,082)
DEFERRED DEBITS	7,292,818	6,087,466	1,205,352
TOTAL	\$ 201,381,730	\$ 175,484,368	\$ 25,897,362

LIABILITIES

CAPITALIZATION			
Common Stock	2,700,000	2,700,000	\$ 0
Capital Surplus	9,087,347	9,087,347	0
Retained Earnings	56,137,179	51,299,969	4,837,210
Long-Term Debt	67,924,526	63,087,316	4,837,210
Common Stock Equity	21,400,000	21,800,000	(400,000)
Total Capitalization	89,324,526	84,887,316	4,437,210
CURRENT LIABILITIES			
Notes Payable	8,850,000	0	8,850,000
Accounts Payable	4,347,569	2,709,407	1,638,162
Accrued Expenses	2,890,843	2,742,987	147,856
Other	632,682	551,095	81,587
Total Current Liabilities	16,721,094	6,003,489	10,717,605
DEFERRED CREDITS			
Advances for Construction	43,764,749	39,089,642	4,675,107
Contributions in Aid of Construction	23,394,079	22,425,013	969,066
Deferred Income Tax	17,960,268	16,305,390	1,654,878
Other	10,217,014	6,773,518	3,443,496
Total Deferred Credits	95,336,110	84,593,563	10,742,547
TOTAL	\$ 201,381,730	\$ 175,484,368	\$ 25,897,362



ARIZONA WATER COMPANY

AGREEMENT FOR EXTENSION OF WATER FACILITIES

APPLICANT: _____
 Name _____
 Address _____
 City and State _____ Zip Code _____

Contract No. _____
 W.A. No. _____

DATE OF AGREEMENT _____ WATER SYSTEM: [select system] _____
 CONSTRUCTION START: Approximately 15 days after receiving all material and obtaining all necessary permits and approvals.
 PROJECT COMPLETION: Estimated to be within () days from the start date. DATE OF COST ESTIMATE (Attachment "A"): _____
 WATER FACILITIES: as per drawing (Attachment "B").

Refundable Advance for Construction: _____ \$ _____
 Non-refundable Contribution in Aid of Construction: _____ \$ _____
 Less: Main Extension Deposit Received _____ \$ _____
 Total of Required Advance and Contribution (Check #1) _____ \$ _____

CENTRAL ARIZONA PROJECT Hook-Up Fee (CAP Fee) Payable After Agreement Approved by Arizona Corporation Commission (ACC)

	Case Grande	Coolidge	White Tank	CAP Fee
	In 0.11883	In 0.11883	In 0.08583	
	Out 0.06883	Out 0.06883	Out 0.06583	
	Fee	Fee	Fee	
5/8" x 3/4"	\$208	\$150	\$500	\$
1"	\$208	\$150	\$500	\$
2"	\$1,173	\$800	\$1,667	\$
3"	\$2,347	\$1,600	\$2,667	\$
4"	\$3,667	\$2,500	\$5,333	\$
6" or larger	\$7,333	\$8,000	\$8,333	\$
			Subtotal	\$
Applicable Rate & Tax	0	0	0	Error

Total Non-refundable Hook-Up Fee Due Within 15 Days After Notification of ACC Approval (Check #2) #VALUE!
 The Project Will Not Be Released to Construction Until the CAP Fee Has Been Paid.
 Total (of Two Checks Payable by Applicant) #VALUE!

THIS AGREEMENT is made and entered into by and between ARIZONA WATER COMPANY, an Arizona corporation, (hereinafter called the "Company"), and the Applicant named above. In consideration of the services to be performed by the Company and the sums of money to be paid by the Applicant, in accordance with the related Cost Estimate, it is agreed as follows:

- The Company will construct, or will arrange for the construction of the Water Facilities as described above.
- The Applicant will pay to the Company upon signing this Agreement the Total shown above, receipt of which is hereby acknowledged by the Company. The Total shown above to be paid by the Applicant to the Company is the Company's estimated cost of construction of the Water Facilities. The Company will determine and inform the Applicant of the actual cost of construction within sixty (60) days after the completion of construction or the Company's receipt of all invoices and charges related to the construction. If the actual cost of construction is less than the Total amount paid, the Company will refund the difference to the Applicant; conversely, if the actual cost of construction is more than the Total amount paid, the Applicant shall pay the difference to the Company within sixty (60) days of receipt of an invoice from the Company. However, if the actual cost is more than five percent (5%) greater than the Total amount paid, the Applicant will only be required to pay five percent (5%) more than the Total amount paid, unless the Company can demonstrate that the increased costs were beyond its control and could not be foreseen at the time the estimate for the Total amount paid was made. The Company and the Applicant further agree that the amount subject to refund pursuant to paragraph 3 of this Agreement shall be the refundable portion of the Company's actual cost of construction. Information about the actual cost of construction will be attached to this Agreement and forwarded to the Applicant.
- Refunds of any Advance For Construction shall be made as follows: each year for a period of 10 years the Company shall pay to the Applicant or the Applicant's assignee or successor in interest, provided the Company has first received written notice and evidence of such assignment or succession and approved of same, an amount equal to 10 percent of the total gross annual revenue received by the Company from water sales to each bona fide Applicant whose service line is directly connected to pipelines installed pursuant to this Agreement. Refunds shall be made by the Company on or before August 31 of each year, covering any water revenues received during the preceding July 1 to June 30 period. Any balance remaining subject to refund at the end of the 10-year period shall become non-refundable. Aggregate refunds shall in no event exceed the total of the refundable Advance For Construction received from the Applicant. No interest shall be paid by the Company on any amounts paid hereunder.
- All Water Facilities installed under this Agreement shall be the sole property of the Company, and the Applicant shall have no right, title or interest in or to any such facilities.
- The size, design, type and quality of materials and of the system, location and manner of installation, shall be specified by the Company and shall comply with requirements of the Arizona Corporation Commission or other public agencies having authority therein.
- The Applicant agrees to furnish to the Company adequate and recordable easements and required surveying necessary to serve each parcel or lot within the Applicant's subdivision, tract, development, or project.
- The Applicant agrees that all easements and rights-of-way shall be free of obstacles which may interfere with the construction of the Company's Water Facilities. If the Applicant's subdivision, tract, development, or project involves road construction, all roads and drainage ways will be brought to grade by the Applicant prior to the commencement of the installation of the Company's Water Facilities. No pavement or curbs shall be installed prior to completion of all Water Facilities. If any street, road, alley or drainageway is installed at a different grade or location after the beginning of the installation of Water Facilities, the Applicant shall bear all costs incurred by the Company to relocate the Water Facilities as a result of said facilities having improper cover or location. Such costs shall be non-refundable.
- The Applicant agrees to pay to the Company any additional costs incurred as a result of design changes made or caused by the Applicant or its employees, agents, servants, contractors or subcontractors, the Arizona Department of Environmental Quality, the Arizona Corporation Commission, any county health department or other public agency under whose jurisdiction the subject construction may fall, or anticipated or un-anticipated changes in existing Company facilities, due to any work associated with this subdivision, tract, development or project which causes said facilities to have improper cover or location.
- This Agreement shall be binding upon and for the benefit of the successors and assigns of the Company and the Applicant. No assignment or transfer of this Agreement by the Applicant shall be binding upon the Company or create any rights in the assignee until such assignment or transfer is approved and accepted in writing by the Company.
- This Agreement, and all rights and obligations hereunder, including those regarding water service to the Applicant, are subject to the Arizona Corporation Commission's "Rules and Regulations" and the Company's tariff schedule TC-243, "Terms and Conditions for the Provision of Water Service."

ARIZONA WATER COMPANY
 Company _____
 By: _____
 Title: _____

Applicant _____
 By: _____
 Title: _____

ARIZONA WATER COMPANY

3805 N. BLACK CANYON HIGHWAY, PHOENIX, ARIZONA 85015-5351 • P.O. BOX 29006, PHOENIX, ARIZONA 85038-9006
PHONE: (602) 240-6860 • FAX: (602) 240-6878 • WWW.AZWATER.COM

[Date]

«PropertyOwner»

«Address1»

«Address2»

«City» «State» «PostalCode»

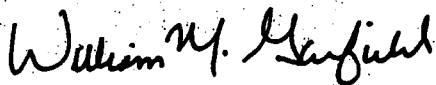
PINAL COUNTY ASSESSOR'S PARCEL NO.: «ParcelNumber»

PUBLIC NOTICE OF AN APPLICATION FOR A CERTIFICATE OF CONVENIENCE AND NECESSITY BY ARIZONA WATER COMPANY

Arizona Water Company has filed with the Arizona Corporation Commission ("Commission") an application for authority to provide water utility service to an area in which records indicate that you are a property owner. If the application is granted, Arizona Water Company would be the provider of water utility service to the proposed area. The Commission will require Arizona Water Company to provide this service under rates and charges and terms and conditions established by the Commission. The application is available for inspection during regular business hours at the offices of the Commission at 1200 West Washington Street, Phoenix, Arizona, and at Arizona Water Company, 220 East 2nd Street, Casa Grande, Arizona.

The Commission may hold a hearing on this matter. As a property owner you may have the right to intervene in the proceeding or you may appear at the hearing and make a statement on your own behalf. You may contact the Commission at the address and telephone number listed below for the date and time of the hearing and for more information on intervention. You may not receive any further notice of the proceeding unless you request it.

If you have questions or concerns about this application, have any objection to its approval, or wish to make a statement in support of it, you may contact the Consumer Services Section of the Arizona Corporation Commission at 1200 West Washington St., Phoenix, Arizona 85007 or call 1-800-222-7000.



William M. Garfield
President

COPY

Exhibit 7

755253

268-263

FRANCHISE

BE IT RESOLVED by the Board of Supervisors, County of Pinal, State of Arizona:

THAT WHEREAS, Arizona Water Company, an Arizona corporation, has duly filed and presented its application that it be granted the right, privilege and franchise to construct, maintain and cooperate upon, over, along, across and under the present and future streets, avenues, alleys, highways, bridges, public roads and other public places in the County of Pinal, State of Arizona, water lines, plant and system, including mains, laterals, pumps, manholes, meters, regulator stations and related equipment, facilities and appurtenances, for the purpose of supplying water for all purposes in the County of Pinal, State of Arizona, for a period of twenty-five (25) years; and

WHEREAS, upon the filing of said application, the Board of Supervisors ordered that public notice of the intention of said Board to make such grant be given by publishing a notice in the Florence Reminder & Blade-Tribune newspaper of general circulation published in the City of Casa Grande, County of Pinal, State of Arizona, stating that at 10:00 o'clock A.M. on the 4th day of February, 1985, at the Courthouse in the City of Florence, County of Pinal, State of Arizona, was set for the time and place for the consideration of the granting of said right, privilege, and franchise; and

WHEREAS, said application coming on regularly for hearing on the 4th day of February, 1985, and it appearing by the affidavit of Florence Ramirez of said newspaper that due and legal notice of said time and place set for the consideration of such action has been published for at least once a week for three weeks prior to the date set for said hearing;

NOW, THEREFORE,

SECTION 1. There is hereby granted to Arizona Water Company, a corporation organized and existing under and by virtue of the laws of the State of Arizona, its successors and assigns (hereinafter called "Grantee"), the right, privilege and franchise to construct, maintain and cooperate upon, over, along, across and under the present and future streets, avenues, alleys, highways, bridges, public roads and other public places in the County of Pinal, State of Arizona, water lines, plant and system, including mains, laterals, pumps, manholes, meters, regulator stations and related equipment, facilities and appurtenances, for the purpose of supplying water for all

Exhibit 7

1268-264

purposes in the County of Pinal, State of Arizona. Grantee's Application for Franchise is made a part hereof by reference thereto.

SECTION 2. All facilities to be constructed pursuant to this franchise shall be constructed and maintained in accordance with established practices with respect to such streets, avenues, alleys, highways, bridges and public places of the County of Pinal. Prior to such construction, a map showing the location of such facilities shall be submitted to such persons as may be designated by said Board of Supervisors.

SECTION 3. In the event that any lines or related facilities installed or constructed pursuant to this franchise shall at any time be found to interfere unduly with vehicular and pedestrian traffic over such streets, avenues, alleys, highways, bridges, public roads and other public places the Grantee hereby agrees that it will, at its own expense, and within a reasonable time after notice thereof by said Board of Supervisors, remove or relocate said lines, or related facilities so as to minimize said interference. In all other instances the costs incurred in relocating any lines or facilities shall be borne by and added to the cost of the public or private improvement causing or resulting in such relocation.

SECTION 4. In the event that said Board of Supervisors, acting on behalf of the County of Pinal, takes action to dispose of unnecessary public roadways in accordance with the provisions of Arizona Revised Statutes §28-1901, et seq., said Board of Supervisors agrees to recognize and preserve each of the Grantee's prior rights of way or easements and rights under this franchise which are affected thereby, as they existed prior to such disposition, by including specific and appropriate language for that purpose in any legal instrument utilized for the purpose of accomplishing such disposition.

SECTION 5. In case of any disturbance of pavement, sidewalk, driveway or other surfacing, planting or ground cover resulting from Grantee's action pursuant to this franchise, Grantee shall, in a manner entirely satisfactory to said Board of Supervisors and the department having appropriate jurisdiction, replace and restore the paving, sidewalk, driveway, surfacing, planting or ground cover of any street, alley or other public way or place so disturbed in as good condition as it was prior to said disturbance. All such work shall be completed with due diligence.

Further, to avoid duplication of effort and untimely construction of the street, the Grantee shall coordinate its construction and replacement

1268-265

plans pursuant to this franchise with said department having appropriate jurisdiction.

SECTION 6. The Grantee shall save the County of Pinal harmless from expenses, claims and liability arising by reason of the exercise of this franchise by Grantee.

SECTION 7. The right, privilege and franchise hereby granted shall continue and exist for a period of twenty-five (25) years from the effective date hereof, and upon approval by said Board of Supervisors and acceptance by the Grantee, this franchise shall be deemed effective as of the date of approval of this Application.

SECTION 8. The right, privilege and franchise hereby granted shall inure to the benefit of, and be binding upon the Grantee, its successors and assigns.

SECTION 9. All resolutions and parts of resolutions in conflict with the provisions hereof are hereby repealed to the extent applicable to a franchised public service corporation.

SECTION 10. If any section, paragraph, subdivision, clause, phrase or provision of this resolution shall be adjudged invalid or unconstitutional, the same shall not affect the validity of this resolution as a whole or any part of the provisions hereof other than the part so adjudged to be invalid and unconstitutional.

SECTION 11. Upon the expiration of this franchise, if the Grantee shall not have acquired an extension or renewal thereof and accepted the same, it may continue operating its facilities and system within the County of Pinal until a new franchise can be effected with the County of Pinal.

Upon motion by Supervisor Mathieson,

seconded by Supervisor Weatherly,

the foregoing Resolution granting a franchise to Arizona Water Company in the County of Pinal, State of Arizona, was duly passed and adopted by the Board of Supervisors, County of Pinal, State of Arizona, at a regular session of said Board held on the 4th day of February, 1985.

Exhibit 7

1268-266

PINAL COUNTY BOARD OF SUPERVISORS



By *[Signature]*
CHAIRMAN

ATTEST:

[Signature]
CLERK OF BOARD OF SUPERVISORS

**FRANCHISE AGREEMENT
BETWEEN
ARIZONA WATER COMPANY
AND THE
CASA GRANDE, ARIZONA, CITY COUNCIL**

Section 1. -Grant of Franchise. There is hereby granted to Arizona Water Company, a corporation organized and existing under and by virtue of the laws of the State of Arizona, its successors and assigns (hereinafter called "Grantee"), the right, privilege and franchise to construct, maintain and operate upon, over, along, across and under the present and future public streets, avenues, alleys, highways, bridges and other public places in the City of Casa Grande, Pinal County, Arizona, (hereinafter called "Municipality"), water lines, plant and system, including mains, laterals, pumps, manholes, meters, fire hydrants, regulator stations and related equipment, facilities and appurtenances, for the purpose of providing water service for all purposes in Municipality.

Section 2. Construction and Maintenance in Accordance with Municipality's Ordinances & Regulations. All facilities to be constructed and maintained pursuant to the Franchise shall be constructed and maintained in accordance with Municipality's standards with respect to repairs and maintenance of such public streets, avenues, alleys, highways, and bridges and other public places of Municipality. Prior to construction, Grantee shall apply for a right-of-way work permit in accordance with all existing ordinances and regulations of Municipality and a map showing the location of such facilities shall be submitted to Municipality's Director of Public Works, or his/her designee. If Grantee does not comply with any Municipal ordinance or regulation governing work in the public streets,

avenues, alleys, highways, and bridges and other public places of the Municipality, Grantee shall, within 30 days after written notice of non-compliance in accordance with Section 12, undertake action to achieve compliance.

Section 3. Removal or Movement of Facilities. In the event that facilities constructed pursuant to this Franchise shall at any time be found by Municipality to interfere unduly with Municipality's governmental functions over such public streets, avenues, alleys, highways or bridges or other public places, Grantee hereby agrees that it will, at its own expenses, and within a reasonable time after notice thereof by Municipality, remove or relocate said facilities so as to minimize said interference. In all other instances the costs incurred in relocating facilities shall be borne by and added to the costs of the public or private improvement causing or resulting in such relocation.

Section 4. Disposal of Unnecessary Rights-of-Way. In the event Municipality takes action to dispose of unnecessary public roadways in accordance with the provisions of the Arizona Revised Statutes, Municipality shall recognize and preserve each of Grantee's prior rights-of-way, easements, and rights under this Franchise which are affected thereby, as they existed prior to such disposition, by including specific and appropriate language for that purpose in any legal instrument utilized for the purpose of accomplishing such disposition.

Section 5. Franchise Fee.

(a) As a further consideration for the franchise hereby granted, Grantee will pay quarterly to Municipality a sum equal to 3% of the gross receipts of Grantee from the sale of all water for residential, commercial and industrial purposes, including connect or reconnect charges, service establishment or reestablishment charges, or other similar charges, within Municipality's corporate limits, as Grantee is notified from time to time by Municipality of the extent of such corporate limits. For the purpose of

verifying the amounts payable hereunder, Grantee's billing records shall be subject to inspection by duly authorized officials or representatives of Municipality, at reasonable times.

(b) Said payment shall be a franchise fee. Said payments shall only be in lieu of any and all permit fees or other fees, charges or exactions whatsoever otherwise assessed by Municipality for the construction and maintenance of Grantee's facilities within public streets, avenues, alleys, highways, and bridges and other public places of the Municipality hereunder or for inspections thereof up to the amount payable under the terms of this Section 5. Furthermore, the amount of such franchise fee may be lawfully and specifically added to customer bills.

(c) Payment as described in the preceding paragraphs shall be payable in quarterly amounts within 30 days after the end of each calendar quarter.

Section 6. Indemnity. Grantee shall save Municipality harmless from expenses, claims and liability arising by reason of the exercise of this Franchise by Grantee.

Section 7. Term. The right, privilege, and franchise hereby granted shall continue and exist for a period of twenty-five (25) years from the date that the last representative for the parties executes this Agreement (effective date), however, either party may terminate this Franchise on its tenth (10th) anniversary by giving written notice of its intention to do so not less than six (6) months before the tenth (10th) anniversary. While such notice may or may not result in a renegotiated Franchise, the party giving the notice of termination shall be responsible for the costs of any resulting franchise election to renew this franchise or adopt a new franchise.

Section 8. Assignability of Franchise by Grantee The right, privilege and franchise hereby granted may be assigned by Grantee in whole or in part.

Section 9. – Franchise; Non-Exclusive: This Franchise is not exclusive, and nothing herein contained shall be construed to prevent Municipality from granting other like or similar grants or privileges to any other person, firm or corporation.

Section 10. – Conflicting Ordinances: All ordinances and parts of ordinances in conflict with the provisions hereof are, to the extent applicable to a franchised water public service corporation, are hereby superseded by the terms of this Franchise.

Section 11. – Independent Provisions: If any section, paragraph, subdivision, clause, phrase or provision of this Franchise Agreement, other than Section 5, shall be adjudged invalid or unconstitutional, the same shall not affect the validity of this Franchise as a whole or any part of the provisions hereof other than the part so adjudged to be invalid or unconstitutional. If Section 5 shall be adjudged invalid or unconstitutional in whole or in part by a final judgment, this Franchise shall immediately terminate and shall be of no further force or effect.

Section 12. – Notices: Any notice required or permitted to be given hereunder shall be in writing, unless otherwise expressly permitted or required, and shall be deemed effective either (i) upon hand delivery to the person then holding the office shown below, or, if such office is vacant or no longer exists, to a person holding a comparable office, or (ii) on the third business day following its deposit with the United States Postal Service, first class and certified or registered mail, return receipt requested, postage prepaid, addressed as follows:

(a) To the City:

City Clerk
City of Casa Grande
510 East Florence Blvd
Casa Grande, Arizona 85222

With a copy to:

Casa Grande City Attorney
510 East Florence Blvd
Casa Grande, Arizona 85222

(b) To Arizona Water Company:

P.O. Box 29006

Phoenix, AZ 85038-9006

Section 13. Avowal: We, the undersigned, have executed this document in accordance with the result of the City of Casa Grande Special Election held on September 13th, 2005, on the dates below written.

CITY OF CASA GRANDE, an
Arizona Municipal Corporation

ARIZONA WATER COMPANY, an
Arizona Corporation

By *Charles T. Walton*
Charles T. Walton, Mayor

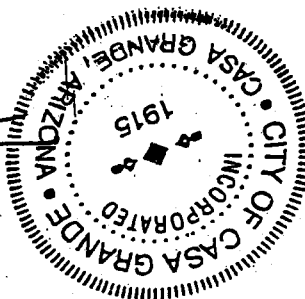
By *William M. Garfield*
WILLIAM M. GARFIELD
PRESIDENT

On behalf of the City of Casa Grande
Date: *May 18, 2005*

Date: *9-27-2005*

ATTEST:

Gloria Leija
Gloria Leija, Casa Grande City Clerk



APPROVED AS TO FORM:

[Signature]
Casa Grande City Attorney

State of Arizona)

County of Maricopa)
County of Pinal)

) ss

Arizona Water Company

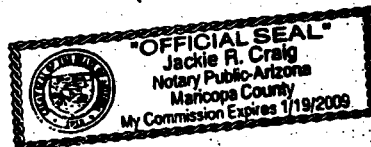
Acknowledgment

On this 27th day of September, 2005, William M. Garfield, who acknowledged himself/herself to be the President of Arizona Water Company personally appeared the undersigned and that he/she, as such officer, being authorized to do so, executed the document in the capacity therein stated and for the purposes therein contained by signing his/her name.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.

Jackie R. Craig
Notary Public

My commission expires: 1-19-2009



RESOLUTION NO. 3614

A RESOLUTION OF THE MAYOR AND COUNCIL OF THE CITY OF CASA GRANDE, PINAL COUNTY, ARIZONA, DECLARING THAT SAID COUNCIL DEEMS THAT GRANTING OF A CERTAIN WATER FRANCHISE BENEFICIAL FOR THE CITY OF CASA GRANDE; ORDERING A SPECIAL ELECTION TO BE HELD ON THE 13TH DAY OF SEPTEMBER, 2005, AT WHICH ELECTION THERE SHALL BE SUBMITTED TO THE VOTERS OF SAID CITY THE QUESTION AS TO WHETHER OR NOT SAID FRANCHISE SHALL BE GRANTED TO ARIZONA WATER COMPANY; DESIGNATING ELECTION TO BE BY MAIL BALLOT PROCESS.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CASA GRANDE, PINAL COUNT, ARIZONA, AS FOLLOWS:

Section 1. That the Mayor and City Council of the City of Casa Grande deem the granting of the Franchise Agreement (identified in City records as C.G. No. 505-13, which is incorporated by this reference herein as if fully set forth herein) is beneficial to the City of Casa Grande.

Section 2. That an election is hereby called and ordered to be held in the City of Casa Grande on the 13th day of September, 2005, for the purpose of submitting to a vote of the qualified electors of the City of Casa Grande, the question as to whether the franchise under the terms and conditions of the above-referenced agreement shall be granted to Arizona Water Company.

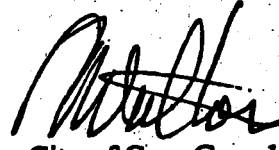
Section 3. That the notice of said election shall be given by the City of Casa Grande by causing a copy of the resolution to be published in full according to law in the proper publication, namely, the Casa Grande Dispatch, a daily newspaper of general circulation printed and published in the City of Casa Grande, Pinal County, State of Arizona, affording not less than thirty (30) days notice prior to the date of the election. The publication shall be in English and Spanish.

Section 4. The City shall utilize the mail ballot election process. Casa Grande City Hall, 510 E. Florence Boulevard, Casa Grande, shall be designated as a re-issue center and drop-off site.

Section 5. That the ballots to be used at said election shall be substantially in the form set forth in Exhibit A, attached hereto and incorporated herein by this reference.

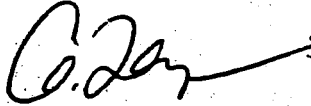
Further, the voter shall indicate his of her vote "For the franchise" or "Against the franchise" by inserting an "X" or other proper indication of their vote in the square opposite the phrase.

PASSED, ADOPTED AND APPROVED by the Mayor and Council of the City of Casa Grande, Arizona, by a majority of the members present and voting this 16th day of May 2005.



Mayor, City of Casa Grande

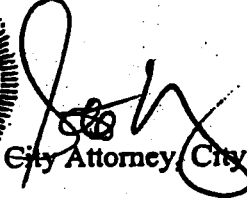
ATTEST:



City Clerk, City of Casa Grande



APPROVED AS TO FORM:



City Attorney, City of Casa Grande

STATE OF ARIZONA



Office of the
CORPORATION COMMISSION

CERTIFICATE OF GOOD STANDING

To all to whom these presents shall come, greeting:

I, Brian C. McNeil, Executive Director of the Arizona Corporation Commission, do hereby certify that

*****ARIZONA WATER COMPANY*****

a domestic corporation organized under the laws of the State of Arizona, did incorporate on December 15, 1954.

I further certify that according to the records of the Arizona Corporation Commission, as of the date set forth hereunder, the said corporation is not administratively dissolved for failure to comply with the provisions of the Arizona Business Corporation Act; and that its most recent Annual Report, subject to the provisions of A.R.S. sections 10-122, 10-123, 10-125 & 10-1622, has been delivered to the Arizona Corporation Commission for filing; and that the said corporation has not filed Articles of Dissolution as of the date of this certificate.

This certificate relates only to the legal existence of the above named entity as of the date issued. This certificate is not to be construed as an endorsement, recommendation, or notice of approval of the entity's condition or business activities and practices.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the Arizona Corporation Commission. Done at Phoenix, the Capital, this 7th Day of November, 2005, A. D.



EXECUTIVE SECRETARY

BY: _____

WATER USE DATA SHEET

NAME OF COMPANY _____ →	ARIZONA WATER COMPANY - Casa Grande
ADEQ Public Water System No. _____ →	11-009

MONTH/YEAR (LAST 13 MONTHS)	NUMBER OF CUSTOMERS	GALLONS SOLD (Thousands)	GALLONS PUMPED	GALLONS PURCHASED
December-05	19,089	285,407	280,927	0
November-05	18,895	327,561	330,540	0
October-05	18,670	375,638	383,468	0
September-05	18,314	398,883	412,325	0
August-05	18,181	366,708	384,751	0
July-05	18,006	441,704	469,839	0
June-05	17,707	368,906	432,347	0
May-05	17,432	305,825	398,079	0
April-05	17,225	263,983	312,576	0
March-05	16,945	193,240	261,175	0
February-05	16,737	198,930	211,109	0
January-05	16,645	217,348	223,065	0
December-04	16,483	228,443	234,177	0

STORAGE TANK CAPACITY (Gallons)	NUMBER OF EACH	ARIZONA DEPT. OF WATER RESOURCES WELL I.D. NUMBER	WELL PRODUCTION (Gallons per Minute)
Burgess Peak 2,000,000	1	D(6-6)21bbc - Casa Grande #10	1,040
Casa Grande Mtn 5,000,000	1	D(6-6)23cbb - Casa Grande #19	1,560
Cottonwood 1,000,000	1	D(6-6)22ddd - Singh/Quaid #22	1,000
Golf Course 115,000	1	D(6-6)22bda - Casa Grande #25	1,320
Indian Hills 100,000	1	D(6-6)21bbb - Cottonwood Lane #14	250
North Park 650,000	1	D(6-6)22bad - Casa Grande #20	1,110
North Park 35,000	1	D(6-6)22baa - Casa Grande #23	1,550
Scott Drive 110,000	1	D(6-6)15cdd - Casa Grande #26	1,400
Scott Drive 5,000,000	1	D(7-6)35ddd - AZ City/Battaglia #28	1,620
Tierra Grande #1 10,000	1	D(6-6)15ccb - Casa Grande #17	850
Tierra Grande #1 250,000	1	D(6-6)22cdc - Casa Grande #21	740
		D(6-6)22cdd - Casa Grande #24	950
		D(6-7)5baa - Lake-in-the-Desert #27	550
		D(6-6)25dcd - Casa Grande #29	1,380

Other Water Sources in Gallons per Minute _____ →	GPM	0
Fire Hydrants on System _____ →	<input checked="" type="radio"/> YES <input type="radio"/> NO	
Total Water Pumped Last 13 Months (Gallons in Thousands) _____ →		4,334,378

Arizona Department of Environmental Quality
Water Quality Compliance Assurance Unit
1110 W. Washington Street, 5415B-1
Phoenix, AZ 85007

Drinking Water Compliance Status Report

Public Water System Name: Arizona Water Co.-Casa Grande

Public Water System ID #: 11-009

Public Water System Type: CO Non-transient Non-community Transient Non-community

Overall Compliance Status: No Major Deficiencies Major Deficiencies

Monitoring and Reporting Status: No Major Deficiencies Major Deficiencies
Comments:

Operation and Maintenance Status: No Major Deficiencies Major Deficiencies
Comments:

Major unresolved/ongoing operation and maintenance deficiencies:

- | | |
|---|---|
| <input type="checkbox"/> unable to maintain 20psi | <input type="checkbox"/> inadequate storage |
| <input type="checkbox"/> cross connection/backflow problems | <input type="checkbox"/> surface water treatment rule |
| <input type="checkbox"/> treatment deficiencies | <input type="checkbox"/> approval of construction |
| <input type="checkbox"/> certified operator | <input type="checkbox"/> other |

Date of last inspection / sanitary survey: 3-12-01

Administrative Orders:

Is an ADEQ administrative order in effect? Yes No

Comments:

System information:

Number of Points of Entry 8 Number of Sources 13 Population Served 46264

Service Connections 14107 Initial Monitoring Year 1993 Initial MAP Year N/A

Evaluation completed by: Jim Puckett

Phone: 602-771-4649

Date: 9-28-05

Based upon data submitted by the water system, ADEQ has determined that this system is currently delivering water that meets water quality standards required by Arizona Administrative Code, Title 18, Chapter 4. This compliance status report does not guarantee the water quality for this system in the future. This compliance status report does not reflect the status of any other water system owned by this utility company.

WATER RATES

ORIGINAL

ARIZONA WATER COMPANY

Phoenix, Arizona

Filed by: William M. Garfield

Title: President

Date of Original Filing: 4-1-55

System: CASA GRANDE

A.C.C. No. 476

Cancelling A.C.C. No. 418

Tariff or Schedule No. WG-103

Filed: November 30, 2005

Effective: For all service rendered on or after December 1, 2005

GENERAL SERVICE

AVAILABILITY:

In Casa Grande and environs at all points where facilities of adequate capacity and pressure are adjacent to the premises served.

APPLICATION:

To all water service required when such service is supplied at one premise through one point of delivery and measured through one meter. Not applicable to temporary, standby, supplementary or resale service.

Meter Size ½" x ¾"	Monthly Minimum	Commodity Rate Per 100 Gallons Consumed								
		0-3,000 Gallons	3,001-10,000 Gallons	10,001-67,000 Gallons	67,001-296,000 Gallons	296,001-552,000 Gallons	552,001-1,195,000 Gallons	1,195,001-2,160,000 Gallons	2,160,001-7,292,000 Gallons	Over 7,292,000 Gallons
1"	\$ 10.48	\$ 1.6500	\$ 1.4869	\$ 1.6500	\$ 1.6500	\$ 1.6500	\$ 1.6500	\$ 1.6500	\$ 1.6500	\$ 1.6500
2"	\$ 25.20	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.6500	\$ 1.6500	\$ 1.6500	\$ 1.6500	\$ 1.6500
3"	\$ 63.10	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.6500	\$ 1.6500	\$ 1.6500	\$ 1.6500
4"	\$ 105.15	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.6500	\$ 1.6500	\$ 1.6500
6"	\$ 210.25	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.6500	\$ 1.6500
8"	\$ 367.90	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.6500
10"	\$ 367.90	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.6500
10"	\$ 1,205.20	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.4869	\$ 1.6500

Adjustment: Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of the gross revenues of the Company and/or the price of revenue from the water or service sold and/or the volume of water pumped or purchased for sale and/or sold hereunder and any tax or similar assessment based on the withdrawal, delivery or use of water. In the event of any increase or decrease in taxes or other governmental impositions, rates shall be adjusted to reflect such increase or decrease.

SPECIAL PROVISIONS:

Subject to the Company's Tariff Schedule SC-265.

TERMS AND CONDITIONS:

Subject to the Company's Tariff Schedule TC-243.

APPROVED FOR FILING

DECISION #: 68302

WMIG-2

1 **BEFORE THE ARIZONA CORPORATION COMMISSION**

2 7008 JUL 21 P 2:01

3 COMMISSIONERS

4 MIKE GLEASON - Chairman
5 WILLIAM A. MUNDELL
6 JEFF HATCH-MILLER
7 KRISTIN K. MAYES
8 GARY PIERCE

AZ CORP COMMISSION
DOCKET CONTROL

9 IN THE MATTER OF THE APPLICATION
10 OF ARIZONA WATER COMPANY, FOR
11 AN EXTENSION OF ITS EXISTING
12 CERTIFICATE OF CONVENIENCE AND
13 NECESSITY.

DOCKET NO. W-01445A-06-0199

14 IN THE MATTER OF THE APPLICATION
15 OF PALO VERDE UTILITIES COMPANY
16 FOR AN EXTENSION OF ITS EXISTING
17 CERTIFICATE OF CONVENIENCE AND
18 NECESSITY.

DOCKET NO. SW-03575A-05-0926

19 IN THE MATTER OF THE APPLICATION
20 OF SANTA CRUZ WATER COMPANY
21 FOR AN EXTENSION OF ITS EXISTING
22 CERTIFICATE OF CONVENIENCE AND
23 NECESSITY.

DOCKET NO. W-03576A-05-0926

24 IN THE MATTER OF THE APPLICATION
25 OF PALO VERDE UTILITIES COMPANY
26 FOR AN EXTENSION OF ITS EXISTING
27 CERTIFICATE OF CONVENIENCE AND
28 NECESSITY.

DOCKET NO. SW-03575A-07-0300

AMENDMENT TO APPLICATION TO
EXTEND EXISTING CERTIFICATE OF
CONVENIENCE AND NECESSITY TO
INCLUDE ADDITIONAL TERRITORY

DOCKET NO. W-03575A-07-0300

26 ARIZONA WATER COMPANY, an Arizona corporation, (the "Company")
27 through its undersigned counsel, presents the following amendment to its March
28 29, 2006 Application (the "Application") to extend its existing Certificate of

1 Convenience and Necessity ("CCN") for its Casa Grande system. This
2 amendment is based on the following:

3 1. On March 29, 2006 the Company filed an application in this docket
4 for approval to extend its CCN to include additional territory. On April 25, 2006,
5 this docket was consolidated with Docket Numbers SW-03575A-05-0926, as filed
6 by Global Water – Palo Verde Utilities Company, and W-03576A-05-0926, as filed
7 by Global Water - Santa Cruz Water Company (hereinafter collectively "Global").
8 On December 20, 2007 this Docket was consolidated with Docket Numbers SW-
9 03575A-07-0300 and W-03576A-07-0300, as filed by Global. On August 20,
10 2007, Global, CP Water Company and Francisco Grande Utilities Company filed
11 for a transfer of CCNs from Francisco Grande Utilities Company and CP Water
12 Company to Global. On December 6, 2007, the Company was granted
13 intervention in these dockets. On June 16, 2008, Global and the Company filed a
14 Joint Motion to Consolidate these dockets for further proceedings with Docket No.
15 W-01445A-06-0200. On June 24, 2008, Staff filed a Notice that it does not
16 oppose the Joint Motion. Global and the Company anticipate that the Joint Motion
17 will be granted in the very near future. Following that ruling, the Company will file
18 this Amendment in the CP Water Company and Francisco Grande Utilities
19 Company dockets and in Docket W-01445A-06-0200.

20 2. The Company and Global have entered into a comprehensive
21 settlement agreement (the "Settlement"), a copy of which was docketed on May
22 16, 2008 in Docket No. W-01445A-06-0200.

23 3. Under the terms of the Settlement, Global and the Company agreed
24 to amend their respective CCN applications to revise the CCN expansion areas
25 that they are seeking and request approval of their respective planning areas.

26 4. Accordingly, the Company files this amendment to the Application
27 which includes amended versions of the following exhibits that were filed with the
28 Application and certain new exhibits:

- 1 a. Exhibit 1, as amended, which now describes the area that the
- 2 Company seeks to add to its CCN after addition and deletion of certain
- 3 areas pursuant to the Settlement.
- 4 b. Exhibit 2, as amended, which now shows the area that the
- 5 Company seeks to add to its CCN after addition and deletion of certain
- 6 areas pursuant to the Settlement. Exhibit 2, as amended, also shows the
- 7 boundaries of the Company's amended Pinal Valley Water System
- 8 Planning Area (the "Amended Planning Area").
- 9 c. Exhibits 1 and 2, as amended, include Section 28, Township
- 10 6 South, Range 3 East in the Company's additional CCN area. However,
- 11 Global inadvertently included a small portion of Section 28 in a recent CCN
- 12 extension approved in Docket No. W-03576A-06-0545, Decision No.
- 13 70381. Because the Settlement calls for this area to be in the Company's
- 14 CCN, Global has requested a transfer to the Company of this portion of
- 15 Section 28 in an Amended CCN Application filed in Docket W-01445A-06-
- 16 0199, et. al., on July 11, 2008.
- 17 d. Exhibit 3, as amended, contains copies of letters from, or on
- 18 behalf of, the property owners in the CCN area described in Exhibit 1, as
- 19 amended, and shown in Exhibit 2, as amended.
- 20 e. Exhibit 4, as amended, is the Company's latest financial
- 21 statement available as of the date of this amendment to the Application.
- 22 f. Exhibit 9, as amended, is an updated certificate of good
- 23 standing for the Company.
- 24 g. Exhibit 10, as amended, is an updated Utilities Division Water
- 25 Use Data Sheet for the Company's Casa Grande water system.
- 26 h. Exhibit 11, as amended, is a copy of an updated compliance
- 27 status report from the Arizona Department of Environmental Quality for the
- 28 Company's Casa Grande water system.

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i. Exhibit 12, as amended, is a copy of the Company's current Casa Grande General Service Tariff.

j. New Exhibit 13, is a letter from Global in support of this amendment to the Application and the Amended Planning Area.

k. New Exhibit 14 is a letter from the City of Casa Grande in support of the Commission's approval of this amendment to the Application and Amended Planning Area.

5. The Company submits the following in support of the Amended Planning Area, the boundaries of which are shown on Exhibit 2, as amended:

a. A central and material consideration of the Settlement is the agreement between Global and the Company on the urgent need for both utilities to continue their respective long-term master planning processes.

b. The Amended Planning Area lies within the boundaries of the Pinal Active Management Area, which is an area that has limited access to surface water, but significant projected continued customer growth.

c. The resulting demands on water resources require the Company to continue to engage in long-term water resource and service planning to assure that current and future customers continue to receive reliable water service. This process requires the Company to plan, design, construct, finance, and operate water supply, treatment, storage, and transmission and distribution infrastructure to meet the public water supply requirements within its existing CCNs and in the revised CCN expansion area and Amended Planning Area for which the Company is requesting approval in this amendment to the Application.

d. The Company has filed, and the Commission has accepted as evidence, and has relied on the Company's Pinal Valley Water System Planning Area in Docket Numbers W-01445A-03-0389 and W-01445A-04-0755. The Company has also filed, pursuant to Decision No. 68302 in its

1 Western Group Rate Case, Docket No. W-01445A-04-0650, a Central
2 Arizona Project Water Use Plan for the Pinal Valley Water System
3 Planning Area. The Company requests the Commission to take official
4 notice of these filings which, individually and collectively, are documentary
5 evidence and confirmation of the Company's commitment to and the
6 Commission's reliance on and support of the Company's long-term water
7 resource planning. The Company will re-file, as an Exhibit in those
8 Dockets, the Amended Planning Area once it is approved.

9 e. In addition, under the State of Arizona's "Growing Smarter
10 and Growing Smarter Plus" mandates (A.R.S. §9-461, et seq.), the general
11 plans of municipalities must address their needs concerning growth and the
12 management of growth. The water resources element is a key component
13 of these general plans. The City of Casa Grande's General Plan
14 acknowledges that the Company and Global are the principal public utility
15 water service providers within the City of Casa Grande's planning area,
16 evidencing that the Company and Global are in the best position to develop
17 water resource master plans, and, most importantly, to plan for and
18 implement long-range water supply strategies to meet and manage the City
19 of Casa Grande's growing water service needs (and see Exhibit 14,
20 attached).

21 As the foregoing demonstrates, the Commission's approval of the
22 Company's Amended Planning Area clearly serves the public interest.

23 6. Under the Settlement, Global Water – Palo Verde Utilities Company
24 has agreed to supply available reclaimed water to the Company, if requested, to
25 be sold and delivered by the Company within its CCN and Amended Planning
26 Area. Therefore, the Company will be the retail provider of reclaimed water in
27 such areas. The Company will file an application with the Commission for
28 approval of a reclaimed water tariff separately from this Application.

1 7. Wastewater service to the area described and shown in Exhibits 1
2 and 2, as amended, will be provided by either the City of Casa Grande or Global
3 Water – Palo Verde Utilities Company.

4 8. The Company will mail the public notice attached as Exhibit 6 to the
5 Application to all of the property owners who signed letters included in Exhibit 3,
6 as amended, and will provide general notice to all property owners within the area
7 described in Exhibit 1, as amended, by publishing the public notice in the Casa
8 Grande Dispatch immediately following the filing of this amendment to the
9 Application.

10 9. The Company supports the Commission's approval of Global's
11 Amended Planning Area and amended CCN Application as filed on July 14, 2008
12 in Docket W-01445A-06-0199 (Consolidated), and withdraws its objections to
13 Global's amended CCN Application pursuant to the terms and conditions of the
14 Settlement.

15 10. Except as specifically provided above, the Application is unchanged.

16 WHEREFORE, the Company respectfully requests that the Commission
17 forthwith hold a hearing on this amendment to the Application, and enter an order,
18 or, in the alternative, that it enter an order without the necessity of a hearing,
19 which order shall provide for the following:

20 1. Issuing to the Company a CCN for the area described in Exhibit 1,
21 as amended.

22 2. Finding that it is in the public interest to approve, and therefore
23 approving, the Amended Planning Area as shown on Exhibit 2, as amended.

24 3. Granting such other further relief as may be appropriate.

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RESPECTFULLY SUBMITTED this 21st day of July, 2008.

ARIZONA WATER COMPANY

By: 

Robert W. Geake
Vice President and General Counsel
ARIZONA WATER COMPANY
Post Office Box 29006
Phoenix, Arizona 85038-9006

and

Steven A. Hirsch
Rodney W. Ott
BRYAN CAVE LLP
Two North Central Avenue, Ste. 2200
Phoenix, Arizona 85004-4406

ORIGINAL and 18 **COPIES** of the foregoing
filed this 21st day of July, 2008 with:

Docket Control Division
Arizona Corporation Commission
1200 West Washington Street
Phoenix, Arizona 85007

COPY of the foregoing was hand-delivered
this 21st day of July, 2008 to:

Dwight Nodes, Esq.
Administrative Law Judge, Hearing Division
Arizona Corporation Commission
1200 West Washington Street
Phoenix, Arizona 85007

Yvette B. Kinsey, Esq.
Administrative Law Judge, Hearing Division
Arizona Corporation Commission
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6 Phoenix, AZ 85004
7 Attorneys for Applicants
8 Santa Cruz Water Company, L.L.C.
9 and Palo Verde Utilities Company, L.L.C.

7 Maureen Scott, Senior Staff Counsel
8 Robin R. Mitchell
9 Legal Division
10 Arizona Corporation Commission
11 1200 West Washington Street
12 Phoenix, Arizona 85007

11 Ernest G. Johnson
12 Director, Utilities Division
13 Arizona Corporation Commission
14 1200 West Washington Street
15 Phoenix, Arizona 85007

14 **COPY** of the foregoing was mailed
15 this 21st day of July, 2008 to:

16 Ken Frankes, Esq.
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19 Scottsdale, AZ 85250
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21 Hampden & Chambers LLC

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22 7854 W. Sahara
23 Las Vegas, NV 89117

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Scottsdale, Az 85253

By *Robert W. Deake*

EXHIBIT 1

CC&N this Application Amended Legal Description

T.5S.,R.5E.

Sections 25, 26, 27, 28, 33, 34, 35, and 36 all in Township 5 South, Range 5 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona;

Except that portion of said Section 33 lying South of the South right-of-way line of the Casa Grande-Maricopa Highway, said portion being more particularly described as follows:

BEGINNING at the Southwest corner of said Section 33;
Thence North 00 degrees 10 minutes 00 seconds East, coincident with the West line of said Section 33, a distance of 904.33 feet to a point on the South right-of-way line of said Highway;
Thence South 53 degrees 49 minutes 37 seconds East, coincident with the South right-of-way line of said Highway, a distance of 1534.39 feet to a point on the South line of said Section 33;
Thence North 89 degrees 56 minutes 22 seconds West, coincident with the South line of said Section 33, a distance of 1241.25 feet to the POINT OF BEGINNING.

T.6S.,R.3E.

Sections 10, 11, 12, 14, 15, 16, 21, 22, 23, 26, 27, 28, 33, 34 and 35 all in Township 6 South, Range 3 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

T.6S.,R.5E.

That portion of Section 5 lying North of the South right-of-way line of the Casa Grande-Maricopa Highway in Township 6 South, Range 5 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona; said parcel being more particularly described as follows:

BEGINNING at the Northeast corner of said Section 5;
Thence South 00 degrees 07 minutes 04 seconds East, coincident with the East line of said Section 5, a distance of 2921.77 feet to a point on the South right-of-way line of said Highway;
Thence North 53 degrees 49 minutes 37 seconds West, coincident with the South line of said right-of-way, a distance of 4957.15 feet to a point on the North line of said Section 5;
Thence South 89 degrees 56 minutes 30 seconds East, coincident with the North line of said Section 5, a distance of 1377.11 feet to the North quarter corner of said Section 5;
Thence South 89 degrees 56 minutes 29 seconds East, coincident with the North line of said Section 5, a distance of 2618.48 feet to the POINT OF BEGINNING.

T.7S.,R.3E.

Sections 1, 2, 3, 10, 11, 12, 13, 14, 15, 22, 23, 24, 25, 26, 27, 34, 35, and 36 all in Township 7 South, Range 3 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

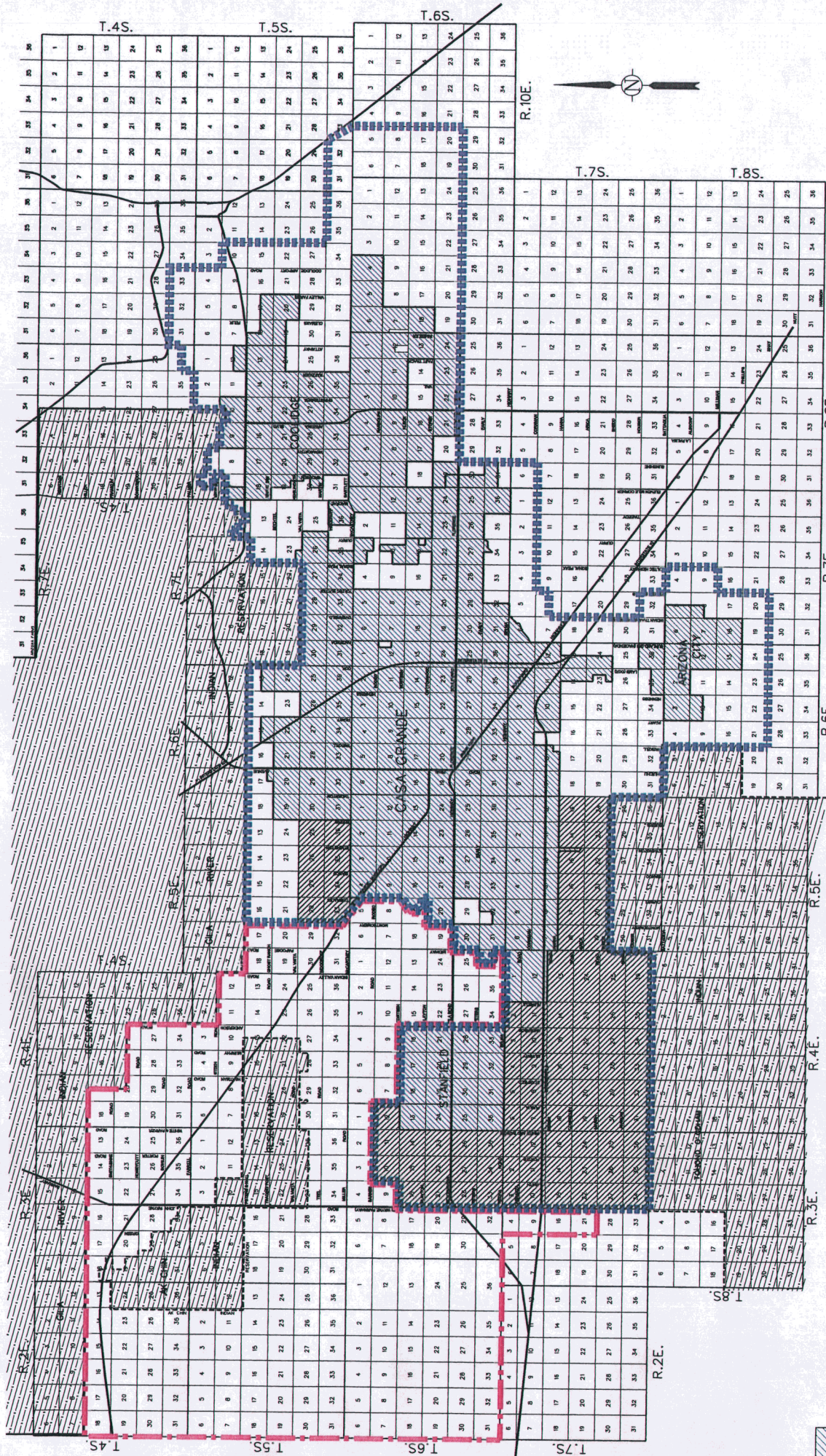
T.7S.,R.4E.

Sections 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36 all in Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

T.7S.,R.5E.

Sections 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, and 24 all in Township 7 South, Range 5 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona;

Except that portion of said Section 15 already lying within Arizona Water Company CC&N.



ARIZONA WATER COMPANY
EXHIBIT 2

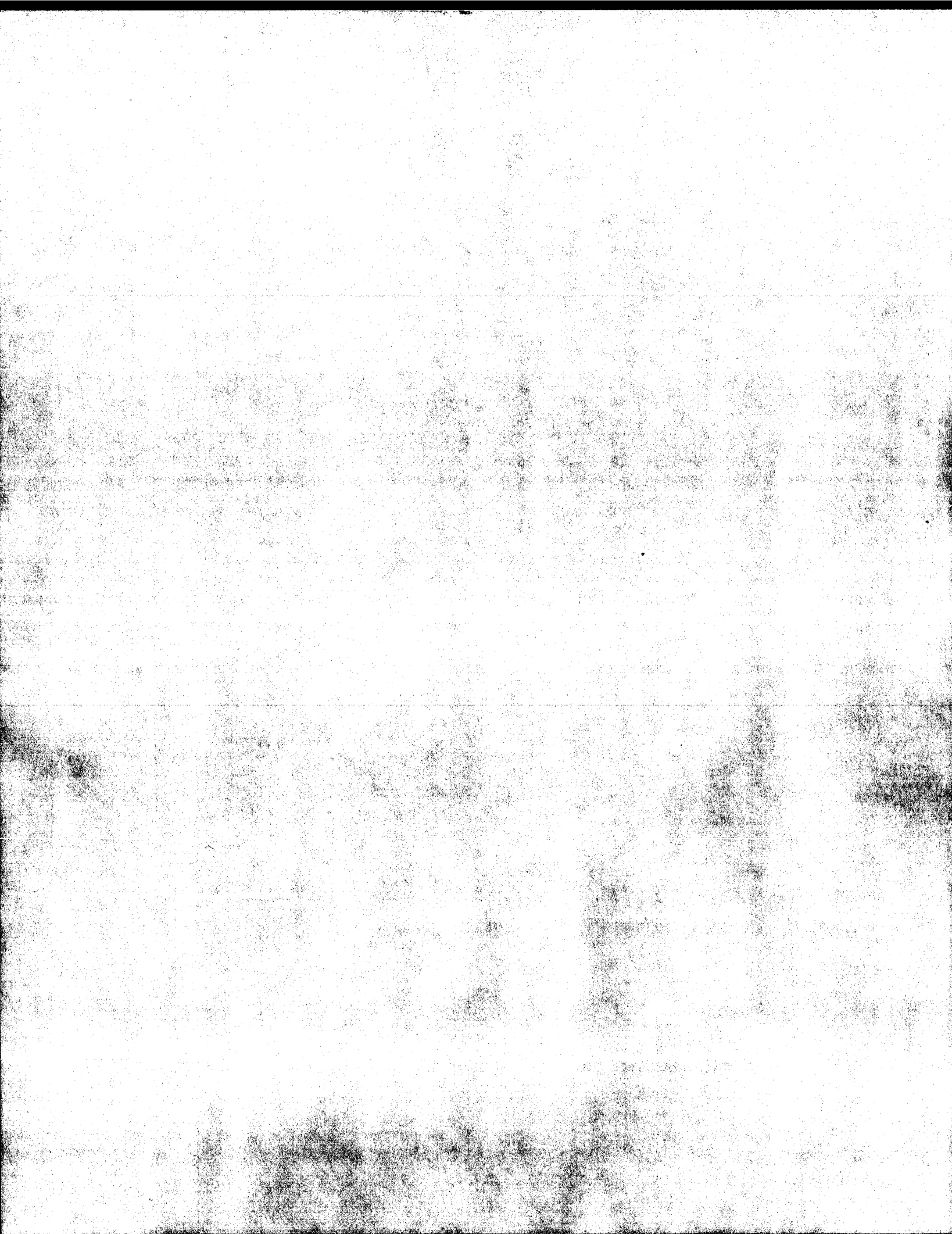


PRESENT ARIZONA WATER COMPANY CC&N
 ARIZONA WATER COMPANY REVISED PINAL VALLEY WATER
 SYSTEM PLANNING AREA BOUNDARY, AS AMENDED

ARIZONA WATER COMPANY CC&N
 AMENDED APPLICATION AREA
 DOCKET W-01445A-06-0199

INDIAN RESERVATION





ATTACHMENT # "A"



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

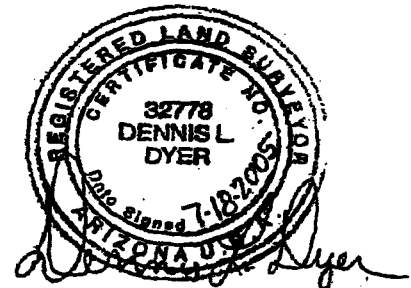
337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX (480) 812-9140

July 9, 2005

Job No. 050511PC-1

LEGAL DESCRIPTION
FOR
IVAN JUE
PARCEL C-1
7.349 AC M/L
GROSS



That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;
Commencing at the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258; thence N. 0 deg. 15' 43" W., (basis of bearings), along the Easterly line of the said NE ¼ of Section 13, a distance of 742.46 feet to the SE Corner of Parcel 'C' of a survey recorded in Book 13 of Surveys Page 156, Pinal County Records, being marked by a cotton picker spindle, said point also being the TRUE POINT OF BEGINNING; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'C', a distance of 556.59 feet to a point from which the SW Corner of said Parcel 'C', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 2094.34 feet distant therefrom; thence N. 0 deg. 15' 18" W., 575.18 feet to a point on the Northerly line of said Parcel 'C', and from which point the NW Corner of said Parcel 'C', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 2094.10 feet distant therefrom; thence N. 89 deg. 39' 32" E, along the said Northerly line of Parcel 'C' a distance of 556.52 feet to the NE Corner of said Parcel 'C', being marked by a cotton picker spindle and from which point the NE Corner of said Section 13, being marked by a an Arizona Highway Department brass cap in hand hole, bears N. 0 deg. 15' 43" W., 1349.34 feet distant therefrom; thence S. 0 deg. 15' 43" E., 575.18 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for roadway over the Easterly 33.00 feet thereof as recorded in Docket 375 Page 573, Pinal County Records.

Also

Subject to an easement for Ingress, Egress and Public Utilities over the Northerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
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DENNIS DYER, V.P.
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TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

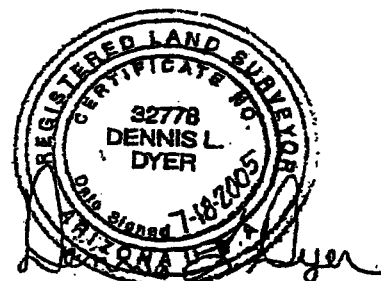
337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX (480) 812-9140

July 9, 2005

Job No. 050511PC-2

LEGAL DESCRIPTION
FOR
IVAN JUE
PARCEL C-2
6.913 AC M/L
GROSS



That part of the NE $\frac{1}{4}$ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;
Commencing at the E $\frac{1}{4}$ Corner of said Section 13, being marked by a $\frac{5}{8}$ " bar, LS 17258; thence N. 0 deg. 15' 43" W., (basis of bearings), along the Easterly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 742.46 feet to the SE Corner of Parcel 'C' of a survey recorded in Book 13 of Surveys Page 156, Pinal County Records, being marked by a cotton picker spindle, and from which point the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole, bears N. 0 deg. 15' 43" W., 1924.52 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'C', a distance of 556.59 feet to the TRUE POINT OF BEGINNING; thence continuing S. 89 deg. 39' 32" W., 523.58 feet to a point from which the SW Corner of said Parcel 'C', being marked by a $\frac{1}{2}$ " bar, LS 32778, bears S. 89 deg. 39' 32" W., 1570.76 feet distant therefrom; thence N. 0 deg. 15' 00" W., 575.18 feet to a point on the Northerly line of said Parcel 'C', and from which point the NW Corner of said Parcel 'C', being marked by a $\frac{1}{2}$ " bar, LS 32778, bears S. 89 deg. 39' 32" W., 1570.57 feet distant therefrom; thence N. 89 deg. 39' 32" E., along the said Northerly line of Parcel 'C', a distance of 523.53 feet to a point from which the NE Corner of said Parcel 'C', being marked by a cotton picker spindle, bears N. 89 deg. 39' 32" E., 556.52 feet distant therefrom; thence S. 0 deg. 15' 18" E., 575.18 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for Ingress, Egress and Public Utilities over the Northerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

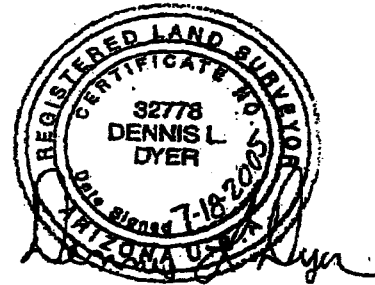
July 9, 2005

Job No. 050511PC-3

337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX (480) 812-9140

LEGAL DESCRIPTION
FOR
IVAN JUE
PARCEL C-3
6.913 AC M/L
GROSS



That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;
Commencing at the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258; thence N. 0 deg. 15' 43" W., (basis of bearings), along the Easterly line of the said NE ¼ of Section 13, a distance of 742.46 feet to the SE Corner of Parcel 'C' of a survey recorded in Book 13 of Surveys Page 156, Pinal County Records, being marked by a cotton picker spindle, and from which point the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole, bears N. 0 deg. 15' 43" W., 1924.52 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'C', a distance of 1080.17 feet to the TRUE POINT OF BEGINNING; thence continuing S. 89 deg. 39' 32" W., 523.59 feet to a point from which the SW Corner of said Parcel 'C', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 1047.17 feet distant therefrom; thence N. 0 deg. 14' 35" W., 575.18 feet to a point on the Northerly line of said Parcel 'C', and from which point the NW Corner of said Parcel 'C', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 1047.05 feet distant therefrom; thence N. 89 deg. 39' 32" E., along the said Northerly line of Parcel 'C', a distance of 523.52 feet to a point from which the NE Corner of said Parcel 'C', being marked by a cotton picker spindle, bears N. 89 deg. 39' 32" E., 1080.05 feet distant therefrom; thence S. 0 deg. 15' 00" E., 575.18 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for Ingress, Egress and Public Utilities over the Northerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
 LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
 OFFICE MANAGER

DENNIS DYER, V.P.
 REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
 PROFESSIONAL ENGINEER
 REGISTERED LAND SURVEYOR

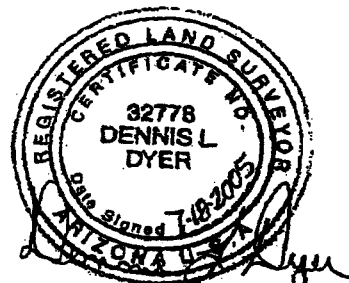
337 N. ARIZONA AVENUE
 CHANDLER AZ 85225

(480) 963-6481
 FAX (480) 812-9140

July 9, 2005

Job No. 050511PC-4

LEGAL DESCRIPTION
 FOR
 IVAN JUE
 PARCEL C-4
 6.913 AC M/L
 GROSS



That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;
 Commencing at the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258; thence N. 0 deg. 15' 43" W., (basis of bearings), along the Easterly line of the said NE ¼ of Section 13, a distance of 742.46 feet to the SE Corner of Parcel 'C' of a survey recorded in Book 13 of Surveys Page 156, Pinal County Records, being marked by a cotton picker spindle, and from which point the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole, bears N. 0 deg. 15' 43" W., 1924.52 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'C', a distance of 1603.76 feet to the TRUE POINT OF BEGINNING; thence continuing S. 89 deg. 39' 32" W., 523.58 feet to a point from which the SW Corner of said Parcel 'C', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 523.59 feet distant therefrom; thence N. 0 deg. 14' 17" W., 575.18 feet to a point on the Northerly line of said Parcel 'C', and from which point the NW Corner of said Parcel 'C', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 523.52 feet distant therefrom; thence N. 89 deg. 39' 32" E., along the said Northerly line of Parcel 'C', a distance of 523.53 feet to a point from which the NE Corner of said Parcel 'C', being marked by a cotton picker spindle, bears N. 89 deg. 39' 32" E., 1603.57 feet distant therefrom; thence S. 0 deg. 14' 35" E., 575.18 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for Ingress, Egress and Public Utilities over the Northerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
 OFFICE MANAGER

DENNIS DYER, V.P.
 REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
 PROFESSIONAL ENGINEER
 REGISTERED LAND SURVEYOR

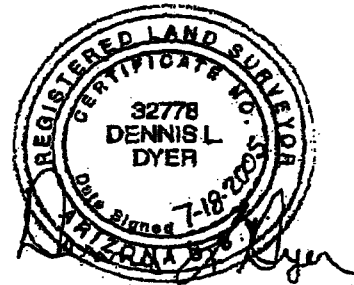
337 N. ARIZONA AVENUE
 CHANDLER AZ 85225

(480) 963-6481
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July 9, 2005

Job No. 050511PC-5

LEGAL DESCRIPTION
FOR
IVAN JUE
PARCEL C-5
6.913 AC M/L
GROSS



That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258; thence N. 0 deg. 15' 43" W., (basis of bearings), along the Easterly line of the said NE ¼ of Section 13, a distance of 742.46 feet to the SE Corner of Parcel 'C' of a survey recorded in Book 13 of Surveys Page 156, Pinal County Records, being marked by a cotton picker spindle, and from which point the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole, bears N. 0 deg. 15' 43" W., 1924.52 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'C', a distance of 2127.34 feet to the TRUE POINT OF BEGINNING; thence continuing S. 89 deg. 39' 32" W., 523.59 feet to the SW Corner of said Parcel 'C', being marked by a ½" bar, LS 32778 and from which point the Center of said Section 13, being marked by a 1 ½" aluminum cap, LS 19847, bears S. 0 deg. 13' 53" E., 736.33 feet distant therefrom; thence N. 0 deg. 13' 53" W., along the North-South Mid-Section line of said Section 13, a distance of 575.18 feet to the NW Corner of said Parcel 'C' being marked by a ½" bar, LS 32778 and from which point the N ¼ Corner of said Section 13, being marked by a 5/8" bar with Pinal County plastic cap, bears N. 0 deg. 13' 53" W., 1349.34 feet distant therefrom; thence N. 89 deg. 39' 32" E., along the Northerly line of said Parcel 'C', a distance of 523.52 feet to a point from which the NE Corner of said Parcel 'C', being marked by a cotton picker spindle, bears N. 89 deg. 39' 32" E., 2127.10 feet distant therefrom; thence S. 0 deg. 14' 17" E., 575.18 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for Ingress, Egress and Public Utilities over the Northerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
 LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
 OFFICE MANAGER

DENNIS DYER, V.P.
 REGISTERED LAND SURVEYOR

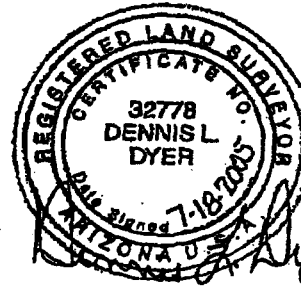
TRAVIS STEELE, V.P.
 PROFESSIONAL ENGINEER
 REGISTERED LAND SURVEYOR

337 N. ARIZONA AVENUE
 CHANDLER AZ 85225

(480) 963-6481
 FAX (480) 812-9140

July 9, 2005

Job No. 050511EA



LEGAL DESCRIPTION
 FOR
 IVAN JUE

23' EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES

An easement for Ingress, Egress and Public Utilities over the Northerly 23.00 feet of that part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258; thence N. 0 deg. 15' 43" W., (basis of bearings), along the Easterly line of the said NE ¼ of Section 13, a distance of 742.46 feet to the SE Corner of Parcel 'C' of a survey recorded in Book 13 of Surveys Page 156, Pinal County Records, being marked by a cotton picker spindle, said point also being the TRUE POINT OF BEGINNING; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'C', a distance of 2650.93 feet to the SW Corner of said Parcel 'C', being marked by a ½" bar, LS 32778 and from which point the Center of said Section 13, being marked by a 1 ½" aluminum cap, LS 19847, bears S. 0 deg. 13' 53" E., 736.33 feet distant therefrom; thence N. 0 deg. 13' 53" W., along the North-South Mid-Section line of said Section 13, a distance of 575.18 feet to the NW Corner of said Parcel 'C' being marked by a ½" bar, LS 32778 and from which point the N ¼ Corner of said Section 13, being marked by a 5/8" bar with Pinal County plastic cap, bears N. 0 deg. 13' 53" W., 1349.34 feet distant therefrom; thence N. 89 deg. 39' 32" E, along the said Northerly line of Parcel 'C' a distance of 2650.62 feet to the NE Corner of said Parcel 'C', being marked by a cotton picker spindle and from which point the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole, bears N. 0 deg. 15' 43" W., 1349.34 feet distant therefrom; thence S. 0 deg. 15' 43" E., 575.18 feet to the TRUE POINT OF BEGINNING.

Subject to any and all existing easements and or rights-of-way affecting the above described property.

Attachment "B"

N1/4 COR
SEC. 13
175-R-5E
FND 1 1/2" BAR
PLASTIC CAP ON
5/8" BMR

HANNA ROAD

2648.00'

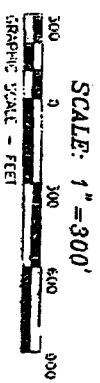
ROAD

117 DECLARED
COUNTY ROAD, EAST
DKT. 575 PG. 573 P.C.R.

NE COR
SEC. 13
175-R-5E
FND A.H.D. BRASS CAP
IN HAND HOLE

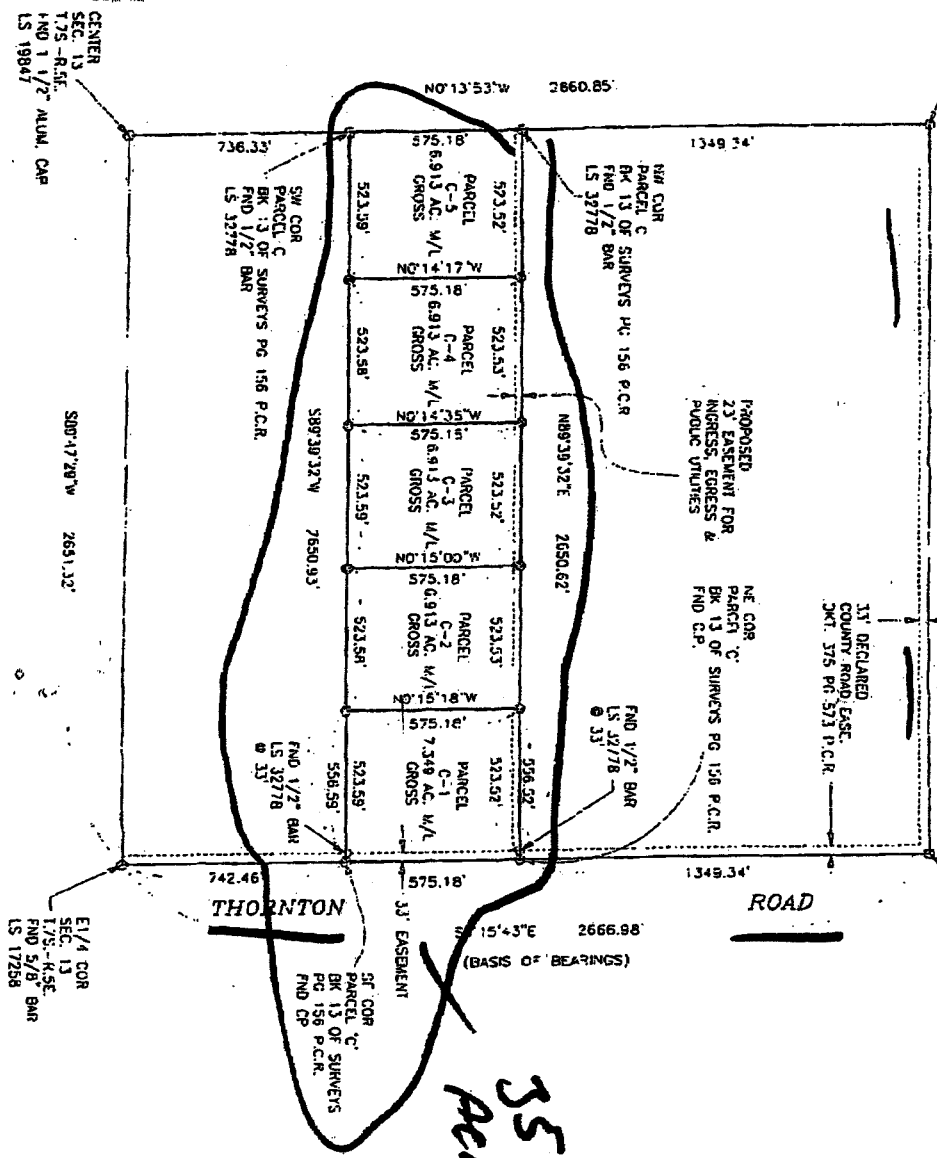
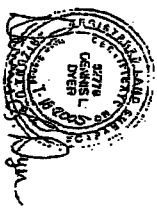
ROAD

RESULTS OF SURVEY MAP
SHOWING
A MINOR LAND DIVISION
LOCATED IN
NE 1/4 SECTION 13, T.7S.-R.6E., G.&S.R.B.&M.,
PINAL COUNTY, ARIZONA
SURVEYED DURING JUNE, 2005
FOR
IVAN JUE



- LEGEND**
- - FOUND 1/2" IRON BAR (UNLESS OTHERWISE NOTED)
 - ⊙ - SET 1/2" IRON BAR (UNLESS OTHERWISE NOTED)
 - ⊚ - FOUND BRASS CAP IN HAND HOLE
 - C.P. - COTTON PICKER SPINDLE
 - M/L = MORE OR LESS
 - AC. = ACRE
 - A.H.D. = ARIZONA HIGHWAY DEPARTMENT

THIS SURVEY HAS BEEN PERFORMED IN THE FIELD EITHER BY ME OR UNDER MY DIRECT SUPERVISION.



NOTE: THIS SURVEY WAS MADE IN ACCORDANCE WITH LEGAL DESCRIPTIONS AND INSTRUCTIONS PROVIDED BY THE CLIENT. ANY ERRORS PRODUCED AS A RESULT OF THIS SURVEY ARE ASSUMED BY THE CLIENT AND SHALL REMAIN THE PROPERTY OF THE CLIENT AND ASSOCIATES. ANY UNAUTHORIZED REPRODUCTION, ALTERATION, OR USE OF THIS SURVEY MAP IS PROHIBITED.

NOTE: THIS CLAUSE HAS BEEN APPROVED AND HERETOBY ASSUMED BY THE CLIENT.

WECKERLY & ASSOCIATES
SURVEYORS - ENGINEERS
337 N. ARIZONA AVENUE

November 21, 2005

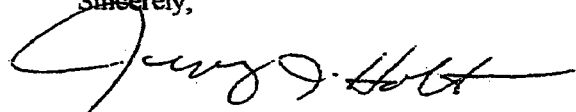
Mike Whitehead
Vice President, Engineering
Arizona Water Company
P.O. Box 29006
Phoenix, Arizona 85038-9006

Re: Extension Of CC&N for Jeff Holt, Casa Grande AZ.

Dear Mr. Whitehead,

Jeffrey J. Holt requests to be included in your next application to extend its Certificate of Convenience and Necessity in or near Casa Grande, Pinal, Arizona with the Arizona Corporation Commission to include an overall area of 32 acres, which is more accurately described in Attachment 'A' and depicted on the map as Attachment 'B', both attached hereto. Please notify us when you have been issued a Procedural Order on this extension.

Sincerely,



Jeffrey J. Holt

Attachment "A"



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

337 N. ARIZONA AVENUE
CHANDLER AZ 85225

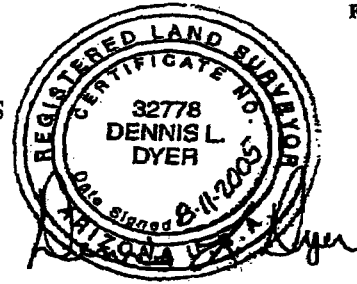
(480) 963-6481
FAX (480) 812-9140

August 11, 2005

Job No. 050510EAJH-23S

LEGAL DESCRIPTION
FOR
JEFF HOLT

23' EASEMENT FOR INGRESS, EGRESS & PUBLIC UTILITIES



An easement for Ingress, Egress and Public Utilities over the Southerly 23.00 feet of that part of the NE $\frac{1}{4}$ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole; thence S. 0 deg. 15' 43" E., (basis of bearings) along the Easterly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 660.00 feet to the TRUE POINT OF BEGINNING; thence continuing S. 0 deg. 15' 43" E., 689.34 feet to a point from which the E $\frac{1}{4}$ Corner of said Section 13, being marked by a 5/8" bar, LS 17258, bears S. 0 deg. 15' 43" E., 1317.64 feet distant therefrom; thence S. 89 deg. 39' 32" W., being parallel with the Northerly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 1359.28 feet to a point from which a point on the North-South Mid-Section line of said Section 13, bears S. 89 deg. 39' 32" W., 1291.34 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to a point on the Northerly line of the said NE $\frac{1}{4}$ of Section 13 and from which point the N $\frac{1}{4}$ Corner of said Section 13, being marked by a 5/8" bar with a Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 1291.34 feet distant therefrom; thence N. 89 deg. 39' 32" E., 698.55 feet to a point from which the NE Corner of said Section 13, bears N. 89 deg. 39' 32" E., 660.01 feet distant therefrom; thence S. 0 deg. 15' 43" E., being parallel with the said Easterly line of the NE $\frac{1}{4}$ of Section 13, a distance of 660.00 feet; thence N. 89 deg. 39' 32" E., being parallel with the said Northerly line of the NE $\frac{1}{4}$ of Section 13, a distance of 660.01 feet to the TRUE POINT OF BEGINNING.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
 OFFICE MANAGER

DENNIS DYER, V.P.
 REGISTERED LAND SURVEYOR

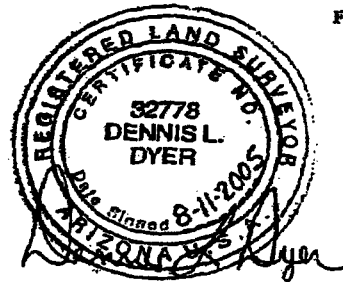
TRAVIS STEELE, V.P.
 PROFESSIONAL ENGINEER
 REGISTERED LAND SURVEYOR

337 N. ARIZONA AVENUE
 CHANDLER AZ 85225

(480) 963-6481
 FAX (480) 812-9140

August 11, 2005

Job No. 050510EAJH-23W



**LEGAL DESCRIPTION
 FOR
 JEFF HOLT**

23' EASEMENT FOR INGRESS, EGRESS & PUBLIC UTILITIES

An easement for Ingress, Egress and Public Utilities over the Westerly 23.00 feet of that part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole; thence S. 0 deg. 15' 43" E., (basis of bearings) along the Easterly line of the said NE ¼ of Section 13, a distance of 660.00 feet to the TRUE POINT OF BEGINNING; thence continuing S. 0 deg. 15' 43" E., 689.34 feet to a point from which the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258, bears S. 0 deg. 15' 43" E., 1317.64 feet distant therefrom; thence S. 89 deg. 39' 32" W., being parallel with the Northerly line of the said NE ¼ of Section 13, a distance of 1359.28 feet to a point from which a point on the North-South Mid-Section line of said Section 13, bears S. 89 deg. 39' 32" W., 1291.34 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to a point on the Northerly line of the said NE ¼ of Section 13 and from which point the N ¼ Corner of said Section 13, being marked by a 5/8" bar with a Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 1291.34 feet distant therefrom; thence N. 89 deg. 39' 32" E., 698.55 feet to a point from which the NE Corner of said Section 13, bears N. 89 deg. 39' 32" E., 660.01 feet distant therefrom; thence S. 0 deg. 15' 43" E., being parallel with the said Easterly line of the NE ¼ of Section 13, a distance of 660.00 feet; thence N. 89 deg. 39' 32" E., being parallel with the said Northerly line of the NE ¼ of Section 13, a distance of 660.01 feet to the TRUE POINT OF BEGINNING.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
INCORPORATED
 LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
 OFFICE MANAGER

DENNIS DYER, V.P.
 REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
 PROFESSIONAL ENGINEER
 REGISTERED LAND SURVEYOR

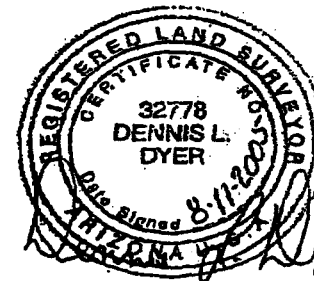
337 N. ARIZONA AVENUE
 CHANDLER AZ 85225

(480) 963-6481
 FAX (480) 812-9140

August 11, 2005

Job No. 050510PB-1

LEGAL DESCRIPTION
 FOR
 JEFF HOLT
 PARCEL B-1
 10.586 AC M/L
 GROSS



That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE ¼ of Section 13, a distance of 660.01 feet to a corner of Parcel 'B' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County records, being marked by a cotton picker spindle, said point also being the TRUE POINT OF BEGINNING; thence S. 0 deg. 15' 43" E., being parallel with the Easterly line of the said NE ¼ of Section 13, a distance of 660.00 feet to a corner of said Parcel 'B', being marked by a ½" bar, LS 32778; thence S. 89 deg. 39' 32" W., being parallel with the said Northerly line of the NE ¼ of Section 13, a distance of 698.90 feet to a point on the Westerly line of said Parcel 'B' and from which point, the SW Corner of said Parcel 'B', being marked by a ½" bar, LS 32778, bears S. 0 deg. 13' 53" E., 689.34 feet distant therefrom; thence N. 0 deg. 13' 53" W., 660.00 feet to the NW Corner of said Parcel 'B', being marked by a cotton picker spindle and from which point the N ¼ Corner of said Section 13, being marked by a 5/8" bar with a Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 1291.34 feet distant therefrom; thence N. 89 deg. 39' 32" E., along the Northerly line of the NE ¼ of said Section 13, a distance of 698.55 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for roadway over the Northerly 33.00 feet thereof as recorded in Docket 375, Page 573, Pinal County records.

Also

Subject to an easement for Ingress, Egress and Public Utilities over the Westerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
 LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
 OFFICE MANAGER

DENNIS DYER, V.P.
 REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
 PROFESSIONAL ENGINEER
 REGISTERED LAND SURVEYOR

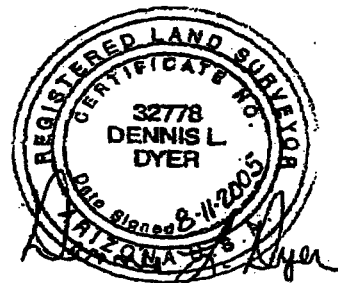
337 N. ARIZONA AVENUE
 CHANDLER AZ 85225

(480) 963-6481
 FAX (480) 812-9140

August 11, 2005

Job No. 050510PB-3

LEGAL DESCRIPTION
 FOR
 JEFF HOLT
 PARCEL B-3
 6.252 AC M/L
 GROSS



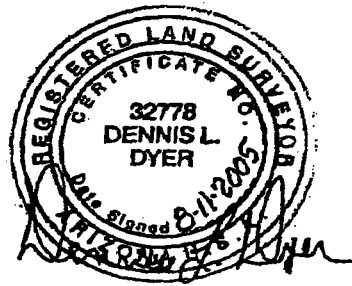
That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;
 Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE ¼ of Section 13, a distance of 1358.56 feet to the NW Corner of Parcel 'B' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County records, being marked by a cotton picker spindle and from which point the N ¼ Corner of said Section 13, being marked by a 5/8" bar with a Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 1291.34 feet distant therefrom; thence S. 0 deg. 13' 53" E., along the Westerly line of said Parcel 'B', a distance of 870.69 feet to the TRUE POINT OF BEGINNING; thence N. 89 deg. 39' 32" E., being parallel with the Northerly line of the said NE ¼ of Section 13, a distance of 568.85 feet; thence S. 0 deg. 15' 43" E., being parallel with the Easterly line of the said NE ¼ of Section 13, a distance of 478.65 feet to a point on the Southerly line of said Parcel 'B' and from which point the SE Corner of said Parcel 'B', being marked by a cotton picker spindle, bears N. 89 deg. 39' 32" E., 790.18 feet distant therefrom; thence S. 89 deg. 39' 32" W., 569.10 feet to the SW Corner of said Parcel 'B', being marked by a ½" bar, LS 32778; thence N. 0 deg. 13' 53" W., along the Westerly line of said Parcel 'B', a distance of 478.65 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for Ingress, Egress and Public Utilities over the
Westerly 23.00 feet thereof.

Also

Subject to an easement for Ingress, Egress and Public Utilities over the
Southerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting
the above described property.





WECKERLY & ASSOCIATES
 LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
 OFFICE MANAGER

DENNIS DYER, V.P.
 REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
 PROFESSIONAL ENGINEER
 REGISTERED LAND SURVEYOR

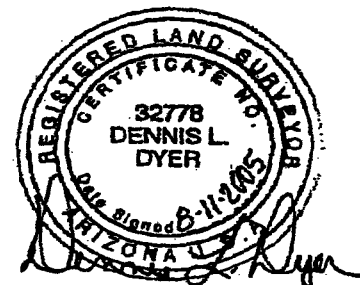
337 N. ARIZONA AVENUE
 CHANDLER AZ 85225

(480) 963-6481
 FAX (480) 812-9140

August 11, 2005

Job No. 050510PB-4

LEGAL DESCRIPTION
 FOR
 JEFF HOLT
 PARCEL B-4
 6.252 AC M/L
 GROSS



That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole; thence S. 0 deg. 15' 43" E., (basis of bearings) along the Easterly line of the NE ¼ of said Section 13, a distance of 1349.34 feet to the SE Corner of Parcel 'B' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County records, being marked by a cotton picker spindle and from which point the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258, bears S. 0 deg. 15' 43" E., 1317.64 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'B', a distance of 395.09 feet to the TRUE POINT OF BEGINNING; thence continuing S. 89 deg. 39' 32" W., 395.09 feet to a point from which the SW Corner of said Parcel 'B', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 569.10 feet distant therefrom; thence N. 0 deg. 15' 43" W., being parallel with the said Easterly line of the NE ¼ of Section 13, a distance of 689.34 feet; thence N. 89 deg. 39' 32" E., 395.09 feet; thence S. 0 deg. 15' 43" E., 689.34 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for Ingress, Egress and Public Utilities over the Southerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
 LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
 OFFICE MANAGER

DENNIS DYER, V.P.
 REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
 PROFESSIONAL ENGINEER
 REGISTERED LAND SURVEYOR

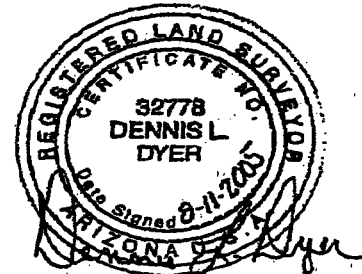
337 N. ARIZONA AVENUE
 CHANDLER AZ 85225

(480) 963-6481
 FAX (480) 812-9140

August 11, 2005

Job No. 050510PB-5

LEGAL DESCRIPTION
 FOR
 JEFF HOLT
 PARCEL B-5
 6.252 AC M/L
 GROSS



That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole; thence S. 0 deg. 15' 43" E., (basis of bearings) along the Easterly line of the NE ¼ of said Section 13, a distance of 660.00 feet to a point marking a corner of Parcel 'B' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County records, being marked by a cotton picker spindle, said point also being the TRUE POINT OF BEGINNING; thence continuing S. 0 deg. 15' 43" E., 689.34 feet to the SE Corner of said Parcel 'B', being marked by a cotton picker spindle and from which point the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258, bears S. 0 deg. 15' 43" E., 1317.64 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'B', a distance of 395.09 feet to a point from which the SW Corner of said Parcel 'B', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 964.19 feet distant therefrom; thence N. 0 deg. 15' 43" W., being parallel with the Easterly line of the said NE ¼ of Section 13, a distance of 689.34 feet; thence N. 89 deg. 39' 32" E., 395.09 feet to the TRUE POINT OF BEGINNING.

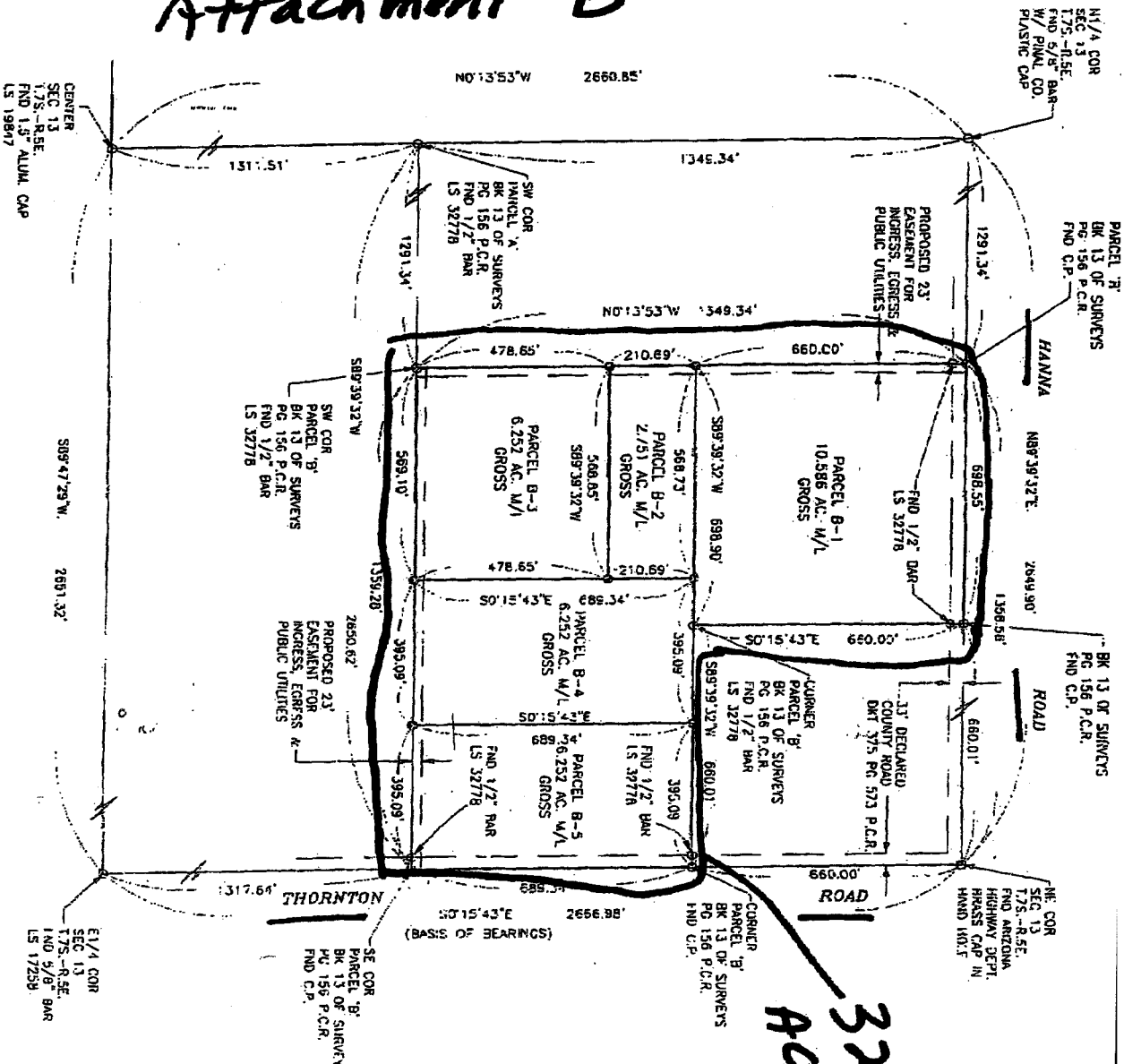
Subject to an easement for roadway over the Easterly 33.00 feet thereof as recorded in Docket 375, Page 573, Pinal County records.

Also

Subject to an easement for Ingress, Egress and Public Utilities over the Southerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting the above described property.

Attachment B



NOTE: THIS SURVEY WAS MADE IN ACCORDANCE WITH LEGAL DESCRIPTIONS AND INSTRUCTIONS PROVIDED BY THE CLIENT. ANY DIMENSIONS PRODUCED AS A RESULT OF THIS SURVEY ARE INSTRUMENTS OF SERVING AND SHALL REMAIN THE PROPERTY OF BECKERLY & ASSOCIATES. ANY UNAUTHORIZED REPRODUCTION, REVISIONS, ADJUSTMENTS, ALTERATIONS OR USE OF THESE DRAWINGS WILL BE CONSIDERED TO BE IN VIOLATION OF THE ARIZONA STATE TECHNICAL BOARD CODE 32-125 & 32-142 AND IS STRICTLY PROHIBITED.

THIS CLIENT HAS BEEN INFORMED AND HERETOBY IS REMINDING THAT THERE ARE RULES AND REGULATIONS THAT MUST BE COMPLIED WITH REGARDING LAND DIVISION. THE PROPER GOVERNING AUTHORITIES SHOULD BE CONTACTED TO ANSWER ANY QUESTIONS.

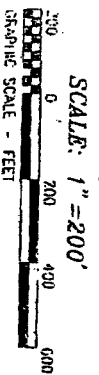
JERP HOLT

BECKERLY & ASSOCIATES
SURVEYORS - ENGINEERS
377 N. ARIZONA AVENUE
CHANDLER, ARIZONA
480-983-6481
JOB NO. 0505108

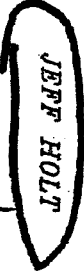


THIS SURVEY HAS BEEN PERFORMED IN THE FIELD EITHER BY ME OR UNDER MY DIRECT SUPERVISION.

- LEGEND**
- = FOUND 1/2" IRON BAR (UNLESS OTHERWISE NOTED)
 - ⊕ = SET 1/2" IRON BAR (UNLESS OTHERWISE NOTED)
 - = FOUND BRASS CAP IN HAND HOLE
 - C.P. = COTTON PICKER SPINDLE
 - M/L = MORE OR LESS
 - AC. = ACRE



32
ACRES



A RAILROAD LAYED DIVISION
LOCATED IN
N41/4 SECTION 13, T.7S.-R.5E., G.&S.R.R.&M.,
PINAL COUNTY, ARIZONA
SURVEYED DURING AUGUST, 2005

November 21, 2005

Mike Whitehead
Vice President, Engineering
Arizona Water Company
P.O. Box 29006
Phoenix, Arizona 85038-9006

Re: Extension Of CC&N for Loren Whipple, Casa Grande AZ.

Dear Mr. Whitehead,

Loren Whipple requests to be included in your next application to extend its Certificate of Convenience and Necessity in or near Casa Grande, Pinal, Arizona with the Arizona Corporation Commission to include an overall area of 40 acres, which is more accurately described in Attachment 'A' and depicted on the map as Attachment 'B', both attached hereto. Please notify us when you have been issued a Procedural Order on this extension.

Sincerely,



Loren Whipple

Attachment "A"



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

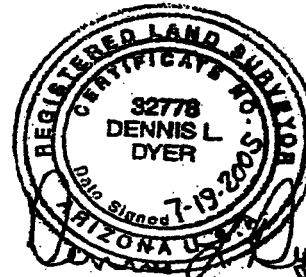
337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX (480) 812-9140

July 9, 2005

Job No. 050510EA-1

LEGAL DESCRIPTION
FOR
JEFF HOLT



23' EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES

An easement for Ingress, Egress and Public Utilities over the Easterly 23.00 feet of that part of the NE $\frac{1}{4}$ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E $\frac{1}{4}$ Corner of said Section 13, being marked by a $\frac{5}{8}$ " bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle; thence continuing S. 89 deg. 39' 32" W., 1033.07 feet to the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to a point on the Southerly line of said Parcel 'A', and from which point the SE Corner of said Parcel 'A', being marked by a $\frac{1}{2}$ " bar, LS 32778, bears N. 89 deg. 39' 32" E., 1033.07 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 258.27 feet to the SW Corner of said Parcel 'A', being marked by a $\frac{1}{2}$ " bar LS 32778 and from which point the Center of said Section 13, being marked by a 1 $\frac{1}{2}$ " aluminum cap, LS 19847, bears S. 0 deg. 13' 53" E., 1311.51 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to the N $\frac{1}{4}$ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a $\frac{5}{8}$ " bar with Pinal County Plastic cap; thence N. 89 deg. 39' 32" E., 258.27 feet to the TRUE POINT OF BEGINNING.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
 LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
 OFFICE MANAGER

DENNIS DYER, V.P.
 REGISTERED LAND SURVEYOR

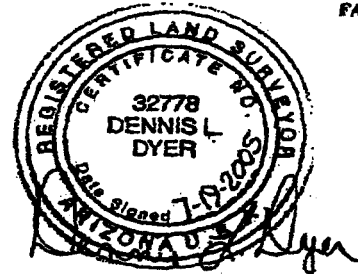
TRAVIS STEELE, V.P.
 PROFESSIONAL ENGINEER
 REGISTERED LAND SURVEYOR

337 N. ARIZONA AVENUE
 CHANDLER AZ 85225

(480) 963-6481
 FAX (480) 812-9140

July 9, 2005

Job No. 050510EA-S



LEGAL DESCRIPTION
 FOR
 JEFF HOLT

23' EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES

An easement for Ingress, Egress and Public Utilities over the Southerly 23.00 feet of that part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE ¼ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle, said point also being the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to the SE Corner of said Parcel 'A', being marked by a ½" bar, LS 32778; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 1291.34 feet to the SW Corner of said Parcel 'A', being marked by a ½" bar LS 32778 and from which point the Center of said Section 13, being marked by a 1 ½" aluminum cap, LS 19847, bears S. 0 deg. 13' 53" E., 1311.51 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to the N ¼ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a 5/8" bar with Pinal County Plastic cap; thence N. 89 deg. 39' 32" E., 1291.34 feet to the TRUE POINT OF BEGINNING.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
 LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
 OFFICE MANAGER

DENNIS DYER, V.P.
 REGISTERED LAND SURVEYOR

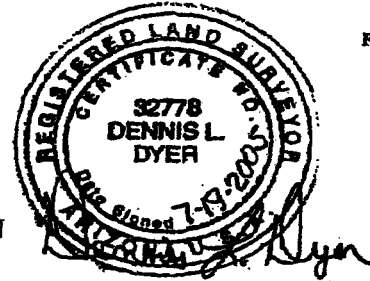
TRAVIS STEELE, V.P.
 PROFESSIONAL ENGINEER
 REGISTERED LAND SURVEYOR

337 N. ARIZONA AVENUE
 CHANDLER AZ 85225

(480) 963-6481
 FAX (480) 812-9148

July 9, 2005

Job No. 050510EA-2



LEGAL DESCRIPTION
 FOR
 JEFF HOLT

23' EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES

An easement for Ingress, Egress and Public Utilities over the Westerly 23.00 feet of that part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE ¼ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle; thence continuing S. 89 deg. 39' 32" W., 774.80 feet to the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to a point on the Southerly line of said Parcel 'A', and from which point the SE Corner of said Parcel 'A', being marked by a ½" bar, LS 32778, bears N. 89 deg. 39' 32" E., 774.80 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 258.27 feet to a point from which the SW Corner of said Parcel 'A', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 258.27 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to a point on the Northerly line of the said NE ¼ of Section 13 and from which point the N ¼ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a 5/8" bar with Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 258.27 feet distant therefrom; thence N. 89 deg. 39' 32" E., 258.27 feet to the TRUE POINT OF BEGINNING.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

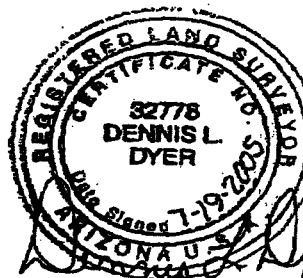
337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX: (480) 812-9140

July 9, 2005

Job No. 050510EA-3

LEGAL DESCRIPTION
FOR
JEFF HOLT



23' EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES

An easement for Ingress, Egress and Public Utilities over the Easterly 23.00 feet of that part of the NE $\frac{1}{4}$ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E $\frac{1}{4}$ Corner of said Section 13, being marked by a $\frac{5}{8}$ " bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle; thence continuing S. 89 deg. 39' 32" W., 516.54 feet to the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to a point on the Southerly line of said Parcel 'A', and from which point the SE Corner of said Parcel 'A', being marked by a $\frac{1}{2}$ " bar, LS 32778, bears N. 89 deg. 39' 32" E., 516.54 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 258.26 feet to a point from which the SW Corner of said Parcel 'A', being marked by a $\frac{1}{2}$ " bar, LS 32778, bears S. 89 deg. 39' 32" W., 516.54 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to a point on the Northerly line of the said NE $\frac{1}{4}$ of Section 13 and from which point the N $\frac{1}{4}$ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a $\frac{5}{8}$ " bar with Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 516.54 feet distant therefrom; thence N. 89 deg. 39' 32" E., 258.26 feet to the TRUE POINT OF BEGINNING.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

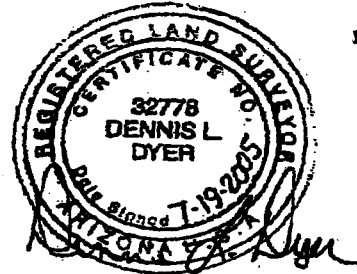
TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX (480) 812-9140

July 9, 2005

Job No. 050510EA-4



LEGAL DESCRIPTION
FOR
JEFF HOLT

23' EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES

An easement for Ingress, Egress and Public Utilities over the Westerly 23.00 feet of that part of the NE $\frac{1}{4}$ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E $\frac{1}{4}$ Corner of said Section 13, being marked by a $\frac{5}{8}$ " bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle; thence continuing S. 89 deg. 39' 32" W., 258.27 feet to the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to a point on the Southerly line of said Parcel 'A', and from which point the SE Corner of said Parcel 'A', being marked by a $\frac{1}{2}$ " bar, LS 32778, bears N. 89 deg. 39' 32" E., 258.27 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 258.27 feet to a point from which the SW Corner of said Parcel 'A', being marked by a $\frac{1}{2}$ " bar, LS 32778, bears S. 89 deg. 39' 32" W., 774.80 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to a point on the Northerly line of the said NE $\frac{1}{4}$ of Section 13 and from which point the N $\frac{1}{4}$ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a $\frac{5}{8}$ " bar with Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 774.80 feet distant therefrom; thence N. 89 deg. 39' 32" E., 258.27 feet to the TRUE POINT OF BEGINNING.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
OFFICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

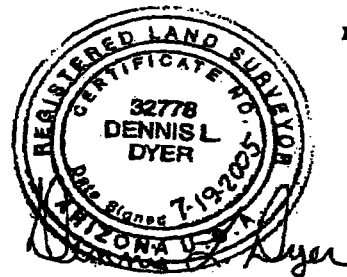
337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX (480) 812-9140

July 9, 2005

Job No. 050510EA-5

LEGAL DESCRIPTION
FOR
JEFF HOLT



23' EASEMENT FOR INGRESS, EGRESS AND PUBLIC UTILITIES

An easement for Ingress, Egress and Public Utilities over the Easterly 23.00 feet of that part of the NE $\frac{1}{4}$ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E $\frac{1}{4}$ Corner of said Section 13, being marked by a $\frac{5}{8}$ " bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE $\frac{1}{4}$ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle, said point also being the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to the SE Corner of said Parcel 'A', being marked by a $\frac{1}{2}$ " bar, LS 32778; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 258.27 feet to a point from which the SW Corner of said Parcel 'A', being marked by a $\frac{1}{2}$ " bar, LS 32778, bears S. 89 deg. 39' 32" W., 1033.07 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to a point on the Northerly line of the said NE $\frac{1}{4}$ of Section 13 and from which point the N $\frac{1}{4}$ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a $\frac{5}{8}$ " bar with Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 1033.07 feet distant therefrom; thence N. 89 deg. 39' 32" E., 258.27 feet to the TRUE POINT OF BEGINNING.

Subject to any and all existing easements and or rights-of-way affecting the above described property.

WECKERLY & ASSOCIATES
LAND SURVEYING - CIVIL ENGINEERING

ARRY E. LEONARD, PRES.
VICE MANAGER

DENNIS DYER, V.P.
REGISTERED LAND SURVEYOR

AVIS STEELE, V.P.
PROFESSIONAL ENGINEER
REGISTERED LAND SURVEYOR

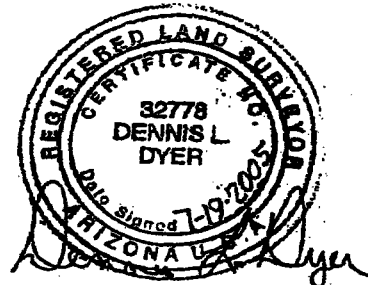
337 N. ARIZONA AVENUE
CHANDLER AZ 85225

(480) 963-6481
FAX (480) 812-9140

July 9, 2005

Job No. 050510PA-1

LEGAL DESCRIPTION
FOR
JEFF HOLT
PARCEL A-1
8.00 AC M/L GROSS



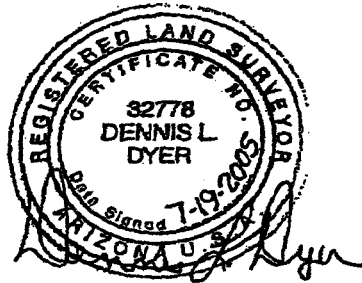
That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;
Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE ¼ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle; thence continuing S. 89 deg. 39' 32" W., 1033.07 feet to the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to a point on the Southerly line of said Parcel 'A', and from which point the SE Corner of said Parcel 'A', being marked by a ½" bar, LS 32778, bears N. 89 deg. 39' 32" E., 1033.07 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 258.27 feet to the SW Corner of said Parcel 'A', being marked by a ½" bar LS 32778 and from which point the Center of said Section 13, being marked by a 1 ½" aluminum cap, LS 19847, bears S. 0 deg. 13' 53" E., 1311.51 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to the N ¼ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a 5/8" bar with Pinal County Plastic cap; thence N. 89 deg. 39' 32" E., 258.27 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for roadway over the Northerly 33.00 feet thereof as recorded in Docket 375, Page 573, Pinal County Records.

Also
Subject to an easement for Ingress, Egress and Public Utilities over the
Easterly 23.00 feet thereof.

Also
Subject to an easement for Ingress, Egress and Public Utilities over the
Southerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting
the above described property.





WECKERLY & ASSOCIATES
 LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
 OFFICE MANAGER

DENNIS DYER, V.P.
 REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
 PROFESSIONAL ENGINEER
 REGISTERED LAND SURVEYOR

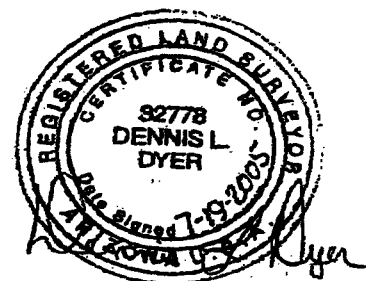
337 N. ARIZONA AVE
 CHANDLER AZ 85226

(480) 963
 FAX (480) 812

July 9, 2005

Job No. 050510PA-2

LEGAL DESCRIPTION
 FOR
 JEFF HOLT
 PARCEL A-2
 8.00 AC M/L GROSS



That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

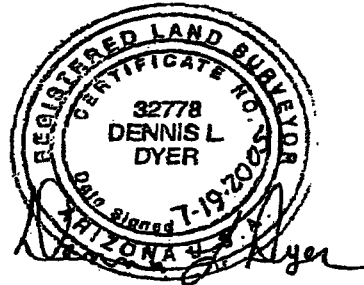
Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE ¼ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle; thence continuing S. 89 deg. 39' 32" W., 774.80 feet to the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to a point on the Southerly line of said Parcel 'A', and from which point the SE Corner of said Parcel 'A', being marked by a ½" bar, LS 32778, bears N. 89 deg. 39' 32" E., 774.80 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 258.27 feet to a point from which the SW Corner of said Parcel 'A', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 258.27 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to a point on the Northerly line of the said NE ¼ of Section 13 and from which point the N ¼ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a 5/8" bar with Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 258.27 feet distant therefrom; thence N. 89 deg. 39' 32" E., 258.27 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for roadway over the Northerly 33.00 feet thereof as recorded in Docket 375, Page 573, Pinal County Records.

Also
Subject to an easement for Ingress, Egress and Public Utilities over the
Westerly 23.00 feet thereof.

Also
Subject to an easement for Ingress, Egress and Public Utilities over the
Southerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting
the above described property.





WECKERLY & ASSOCIATES
 LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
 OFFICE MANAGER

DENNIS DYER, V.P.
 REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
 PROFESSIONAL ENGINEER
 REGISTERED LAND SURVEYOR

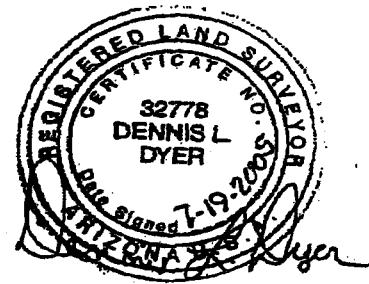
337 N. ARIZONA AVENUE
 CHANDLER AZ 85225

(480) 963-6481
 FAX (480) 812-9140

July 9, 2005

Job No. 050510PA-3

LEGAL DESCRIPTION
 FOR
 JEFF HOLT
 PARCEL A-3
 8.00 AC M/L GROSS



That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE ¼ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle; thence continuing S. 89 deg. 39' 32" W., 516.54 feet to the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to a point on the Southerly line of said Parcel 'A', and from which point the SE Corner of said Parcel 'A', being marked by a ½" bar, LS 32778, bears N. 89 deg. 39' 32" E., 516.54 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 258.26 feet to a point from which the SW Corner of said Parcel 'A', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 516.54 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to a point on the Northerly line of the said NE ¼ of Section 13 and from which point the N ¼ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a 5/8" bar with Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 516.54 feet distant therefrom; thence N. 89 deg. 39' 32" E., 258.26 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for roadway over the Northerly 33.00 feet thereof as recorded in Docket 375, Page 573, Pinal County Records.



WECKERLY & ASSOCIATES
 LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
 OFFICE MANAGER

DENNIS DYER, V.P.
 REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
 PROFESSIONAL ENGINEER
 REGISTERED LAND SURVEYOR

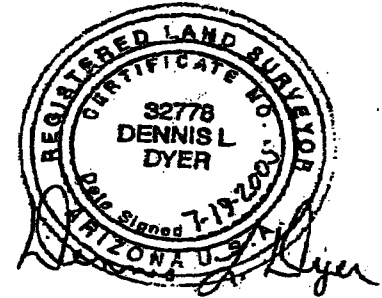
337 N. ARIZONA AVENUE
 CHANDLER AZ 852

(480) 963-64
 FAX (480) 812-91

July 9, 2005

Job No. 050510PA-4

LEGAL DESCRIPTION
 FOR
 JEFF HOLT
 PARCEL A-4
 8.00 AC M/L GROSS



That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

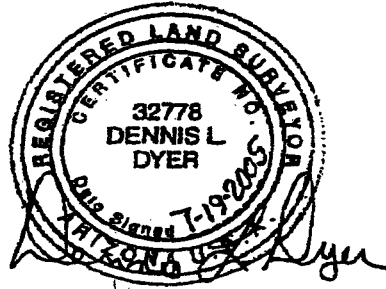
Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE ¼ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle; thence continuing S. 89 deg. 39' 32" W., 258.27 feet to the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to a point on the Southerly line of said Parcel 'A', and from which point the SE Corner of said Parcel 'A', being marked by a ½" bar, LS 32778, bears N. 89 deg. 39' 32" E., 258.27 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 258.27 feet to a point from which the SW Corner of said Parcel 'A', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 774.80 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to a point on the Northerly line of the said NE ¼ of Section 13 and from which point the N ¼ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a 5/8" bar with Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 774.80 feet distant therefrom; thence N. 89 deg. 39' 32" E., 258.27 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for roadway over the Northerly 33.00 feet thereof as recorded in Docket 375, Page 573, Pinal County Records.

Also
Subject to an easement for Ingress, Egress and Public Utilities over the
Westerly 23.00 feet thereof.

Also
Subject to an easement for Ingress, Egress and Public Utilities over the
Southerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting
the above described property.





WECKERLY & ASSOCIATES
 LAND SURVEYING - CIVIL ENGINEERING

MARY E. LEONARD, PRES.
 OFFICE MANAGER

DENNIS DYER, V.P.
 REGISTERED LAND SURVEYOR

TRAVIS STEELE, V.P.
 PROFESSIONAL ENGINEER
 REGISTERED LAND SURVEYOR

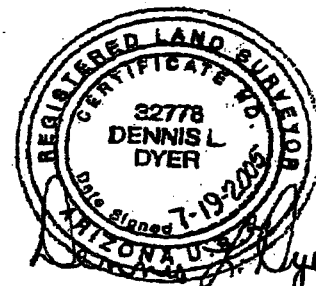
337 N. ARIZONA AVENUE
 CHANDLER AZ 85225

(480) 963-6461
 FAX (480) 812-9140

July 9, 2005

Job No. 050510PA-5

LEGAL DESCRIPTION
 FOR
 JEFF HOLT
 PARCEL A-5
 8.00 AC M/L GROSS



That part of the NE ¼ of Section 13, T.7S.-R.5E., G. & S.R.B. & M., Pinal County, Arizona, being more particularly described as follows;

Commencing at the NE Corner of said Section 13, being marked by an Arizona Highway Department brass cap in hand hole and from which point the E ¼ Corner of said Section 13, being marked by a 5/8" bar, LS 17258, bears S. 0 deg. 15' 43" E., (basis of bearings), 2666.98 feet distant therefrom; thence S. 89 deg. 39' 32" W., along the Northerly line of the said NE ¼ of Section 13, a distance of 1358.56 feet to the NE Corner of Parcel 'A' of a survey recorded in Book 13 of Surveys, Page 156, Pinal County Records, being marked by a cotton picker spindle, said point also being the TRUE POINT OF BEGINNING; thence S. 0 deg. 13' 53" E., 1349.34 feet to the SE Corner of said Parcel 'A', being marked by a ½" bar, LS 32778; thence S. 89 deg. 39' 32" W., along the Southerly line of said Parcel 'A', a distance of 258.27 feet to a point from which the SW Corner of said Parcel 'A', being marked by a ½" bar, LS 32778, bears S. 89 deg. 39' 32" W., 1033.07 feet distant therefrom; thence N. 0 deg. 13' 53" W., 1349.34 feet to a point on the Northerly line of the said NE ¼ of Section 13 and from which point the N ¼ Corner of said Section 13, also being the NW Corner of said Parcel 'A', being marked by a 5/8" bar with Pinal County plastic cap, bears S. 89 deg. 39' 32" W., 1033.07 feet distant therefrom; thence N. 89 deg. 39' 32" E., 258.27 feet to the TRUE POINT OF BEGINNING.

Subject to an easement for roadway over the Northerly 33.00 feet thereof as recorded in Docket 375, Page 573, Pinal County Records.

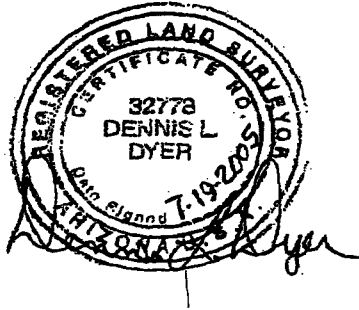
Also

Subject to an easement for Ingress, Egress and Public Utilities over the Easterly 23.00 feet thereof.

Also

Subject to an easement for Ingress, Egress and Public Utilities over the Southerly 23.00 feet thereof.

Subject to any and all existing easements and or rights-of-way affecting the above described property.



Attachment B

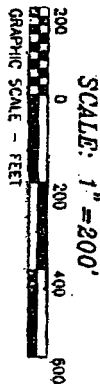
RESULTS OF SURVEY MAP

SHOWING

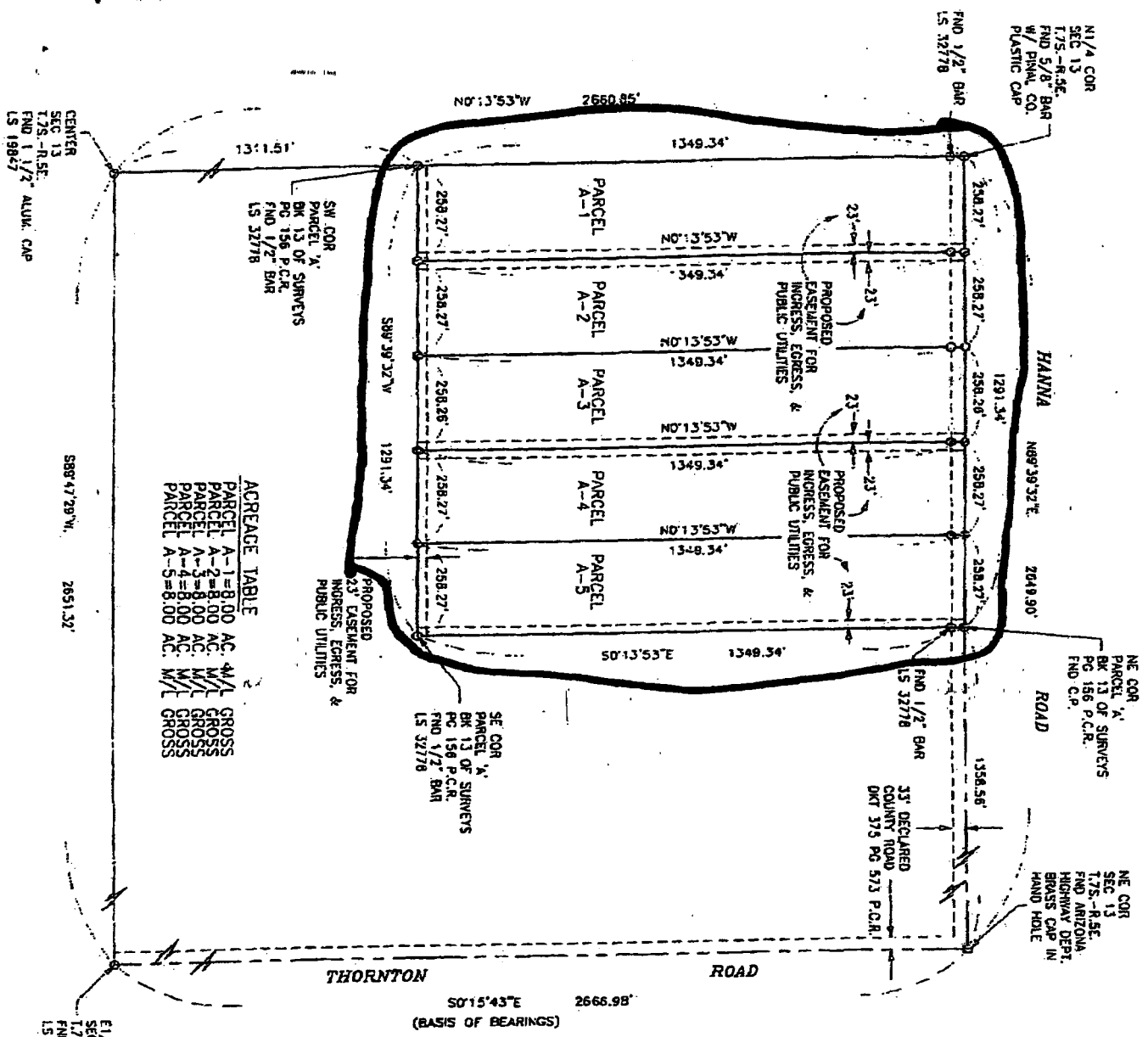
A MINOR LAND DIVISION

LOCATED IN
NE 1/4 SECTION 13, T.7S.-R.5E., G.A.S.R.B.&M.,
PINAL COUNTY, ARIZONA

SURVEYED DURING JUNE, 2005
FOR
JEFF HOLT



- LEGEND**
- = FOUND 1/2" IRON BAR (UNLESS OTHERWISE NOTED)
 - = SET 1/2" IRON BAR (UNLESS OTHERWISE NOTED)
 - = FOUND BRASS CAP IN HAND HOLE
 - C.P. = COTTON PICKER SPINDLE
 - M/L = MORE OR LESS
 - AC. = ACRE



ACREAGE TABLE

PARCEL	AC.	41/1	GROSS
PARCEL A-1	8.00	W/L	GROSS
PARCEL A-2	8.00	W/L	GROSS
PARCEL A-3	8.00	W/L	GROSS
PARCEL A-4	8.00	W/L	GROSS
PARCEL A-5	8.00	W/L	GROSS
AC.	40.00	W/L	GROSS



THIS SURVEY HAS BEEN PERFORMED IN THE FIELD EITHER BY ME OR UNDER MY DIRECT SUPERVISION.

NOTE: THIS SURVEY WAS MADE IN ACCORDANCE WITH LEGAL DESCRIPTIONS AND INSTRUCTIONS PROVIDED BY THE CLIENT. ANY DRAWINGS PRODUCED AS

BECKERLY & ASSOCIATES

January 25, 2006

Mike Whitehead
Vice President, Engineering
Arizona Water Company
P.O. Box 29006
Phoenix, AZ 85038-9006

RE: Extension of CC&N for SWC of McCartney & Corrales Roads, Casa Grande, AZ

Dear Mr. Whitehead

CJ Brimhall Properties II, LLC. requests to be included in your next application to extend its certificate of Convenience and Necessity in or near Casa Grande, Arizona, with the Arizona Corporation Commission to include an overall area of +/-90.1 acres, which is more accurately described in the attached Exhibit "A" and depicted on the map attached as Exhibit "B".

Please notify us when you have been issued a Procedural Order on this extension.

Respectfully,

Dr. John Brimhall 2/15/06
Clayton Brimhall 2/15/06

Dr. John Brimhall
Manager
CJ Brimhall Properties II, LLC

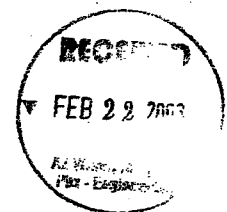
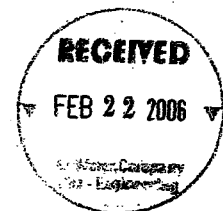


Exhibit "A"

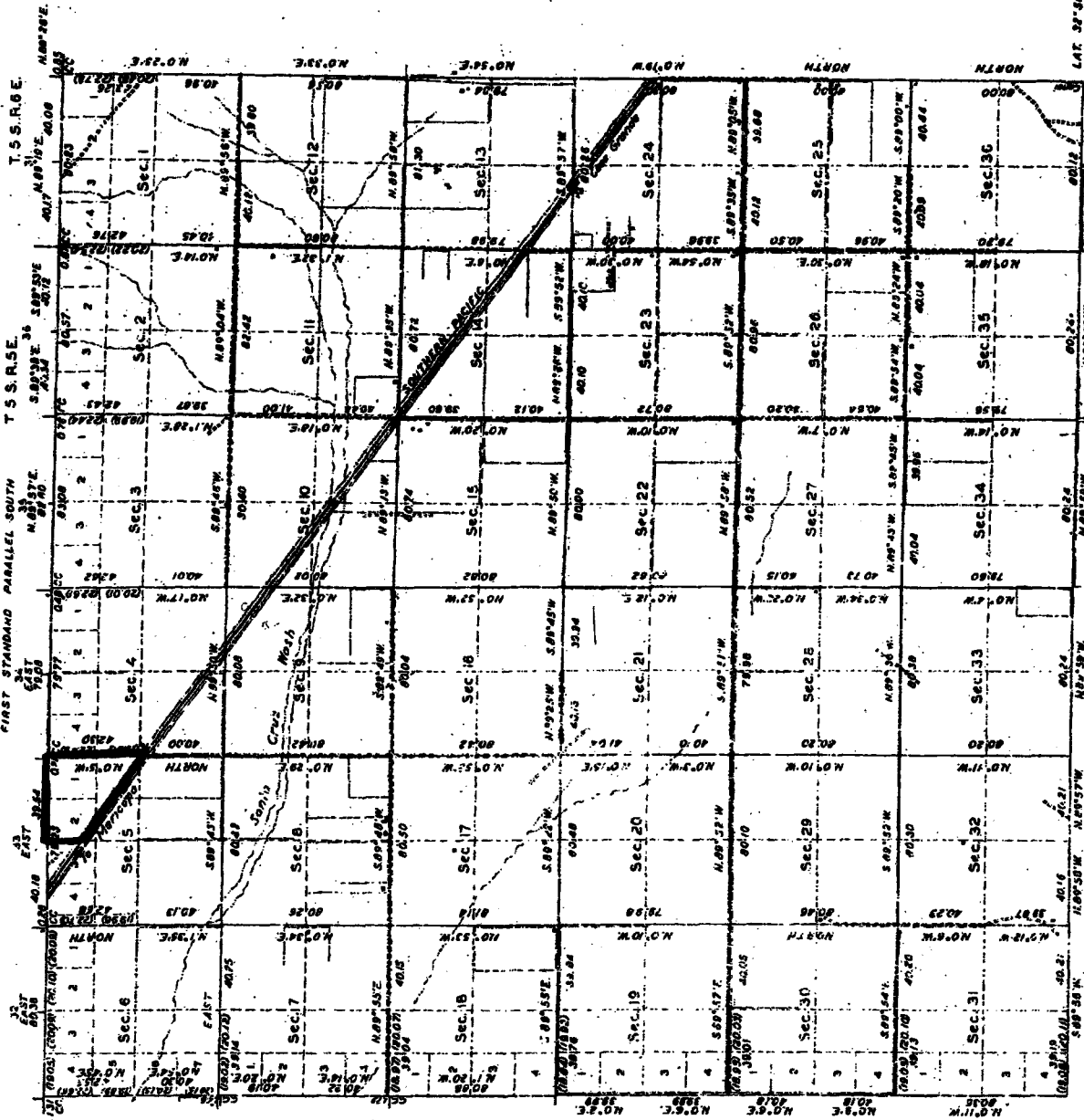
Government Lot 1 and that part of Government Lot 2 and the South half of the Northeast quarter lying North of the Maricopa-Casa Grande Highway in Section 5, Township 6 South, Range 5 East, of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

Dr Brimhall 2/15/06
Clawett Smith 2/15/06

Handwritten signature



TOWNSHIP NO 6 SOUTH, RANGE NO 5 EAST, GILA AND SALT RIVER MERIDIAN, ARIZONA.
DEPENDENT RESERVEY.



This plat of the resurvey of T.S.S.R.E. de-
 lineates a retracement and reestablishment
 upon the plat approved February 18, 1899, in
 their true original position according to the
 best available evidence of the position of
 the original corners; all differences between
 the measurements shown on the original plat
 and those derived in the retracement have
 been distributed proportionally between ac-
 cepted corners in accordance with survey-
 ing rules; reference will be made to the orig-
 inal plat for the showing of the great and
 more detailed descriptions of the arri-
 ons smaller subdivisions of the sections
 shown hereon.

DEPARTMENT OF THE INTERIOR
 GENERAL LAND OFFICE
 Washington, D.C., September 17, 1929.
 The survey represented by this plat
 having been carefully examined in accordance
 with the requirements of law and the regulations
 of this office, is hereby accepted.

Office of U.S. Supervisor of Surveys
 Denver, Colorado, July 16, 1929
 The above plat of Township No. 6 South, Range No. 5 East,
 of the Gila and Salt River Meridian, Arizona, is
 strictly conformable to the field notes of the survey,
 thereof which have been examined and approved.

LINES DESIGNATED BY WHOM SURVEYED	GROUP	DATE	MILEAGE	M.S.	C.H.S.	WHEN SURVEYED	
						REC'D IN	COMPLETED
Extensor	Dupres R. Averill	11.50	Feb. 13, 1928				
Subdivisional	Chris O. Gould	60	23.16	Apr. 10, 1928	Apr. 21, 1928		
Miscellaneous							

Mean Magnetic Decline in 14° 21' E. Scale 40 Chains to an Inch.

W. H. O'Connell

W. H. O'Connell

40.50

EXHIBIT 3



El Dorado
Holdings, Inc.

August 17, 2005

Cindy Liles
Global Water Resources, LLC
22601 N. 29th Avenue, Suite 210
Phoenix, Arizona 85027

Re: Water and Wastewater Service

Dear Cindy:

Please accept this letter as a request for service from Big Trail, LLC; Hondo 640, LLC; Lonely Trail 780, LLC; Parker Estates, LLC and Rio Lobo, LLC, Arizona limited liability companies, for water and wastewater service to property located in Pinal County, Arizona (depicted on the attached maps). It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

We would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Please give me a call if you have any questions.

Sincerely,

Big Trail, LLC and
Hondo 640, LLC and
Lonely Trail 780, LLC and
Parker Estates, LLC and
Rio Lobo, LLC,
Arizona limited liability companies

N. Kelly Houck, President
El Dorado Holdings, Inc., Administrative Agent

Sep 26 05 03:21p henry mcmillan
0000000000 0000000000

4804607354
GLOBAL WATER MANAGEMENT

p.1
003/003

September 26, 2005

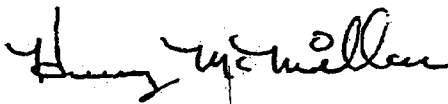
Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services

Please accept this letter as a request for service from Henry and Alexander McMillan for water and wastewater services to our property, more particularly described as Exhibit A attached hereto.

We would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Henry McMillan



LEGAL DESCRIPTION

A PORTION OF SECTION 29, TOWNSHIP 5 SOUTH,
RANGE 5 EAST, GILA & SALT RIVER BASE & MERIDIAN,
PINAL COUNTY, ARIZONA MORE PARTICULARLY
DESCRIBED AS FOLLOWS:

THE EAST ONE-THIRD OF THE WEST HALF OF THE
NORTHEAST QUARTER OF THE NORTHWEST QUARTER
OF SAID SECTION 29;

EXCEPT THE NORTH 570 FEET THEREOF.

ALSO KNOWN AS PARCEL 4 AS SHOWN IN BOOK 3 OF
SURVEYS, PAGE 227.

CONTAINS 3.69 ACRES, MORE OR LESS.

(NOTE: THIS LEGAL DESCRIPTION DERIVED FROM THE
PINAL COUNTY ASSESSOR LEGAL INFORMATION FOR
PARCEL NUMBER 502-38-003S8 AND DOES NOT
REPRESENT A FIELD SURVEY OF THE SUBJECT
PROPERTY.)

LEGAL DESCRIPTION

A PORTION OF SECTION 29, TOWNSHIP 5 SOUTH,
RANGE 5 EAST, GILA & SALT RIVER BASE & MERIDIAN,
PINAL COUNTY, ARIZONA MORE PARTICULARLY
DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTH QUARTER CORNER OF
SAID SECTION 29;

THENCE WEST 665.24 FEET;

THENCE SOUTH 570 FEET TO THE POINT OF
BEGINNING;

THENCE EAST 235.17 FEET;

THENCE SOUTH 375 FEET;

THENCE WEST 235.07 FEET;

THENCE NORTH 375 FEET TO THE POINT OF
BEGINNING;

EXCEPT ANY PORTION LYING WITHIN THE NORTH
HALF OF THE EAST HALF OF THE NORTHEAST
QUARTER OF THE NORTHWEST QUARTER.

CONTAINS 1.54 ACRES, MORE OR LESS.

(NOTE: THIS LEGAL DESCRIPTION DERIVED FROM THE
PINAL COUNTY ASSESSOR LEGAL INFORMATION FOR
PARCEL NUMBER 502-38-003T6 AND DOES NOT
REPRESENT A FIELD SURVEY OF THE SUBJECT
PROPERTY.)

LEGAL DESCRIPTION

A PORTION OF SECTION 29, TOWNSHIP 5 SOUTH, RANGE 5
EAST, GILA & SALT RIVER BASE & MERIDIAN, PINAL COUNTY,
ARIZONA MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTH QUARTER CORNER OF SAID
SECTION 29;

THENCE WEST 665.24 FEET;

THENCE SOUTH 945 FEET TO THE TRUE POINT OF BEGINNING;

THENCE EAST 235.07 FEET;

THENCE NORTH 375 FEET;

THENCE EAST 429.92 FEET;

THENCE SOUTH 748.32 FEET;

THENCE WEST 664.89 FEET;

THENCE NORTH 373.40 FEET TO THE TRUE POINT OF
BEGINNING;

EXCEPT ANY PORTION LYING WITHIN THE NORTH HALF OF
THE EAST HALF OF THE NORTHEAST QUARTER OF THE
NORTHWEST QUARTER.

CONTAINS 8.46 ACRES, MORE OR LESS.

(NOTE: THIS LEGAL DESCRIPTION DERIVED FROM THE PINAL
COUNTY ASSESSOR LEGAL INFORMATION FOR PARCEL
NUMBER 502-38-003U4 AND DOES NOT REPRESENT A FIELD
SURVEY OF THE SUBJECT PROPERTY.)

LEGAL DESCRIPTION

APORTION OF SECTION 29, TOWNSHIP 5 SOUTH,
RANGE 5 EAST, GILA & SALT RIVER BASE & MERIDIAN,
PINAL COUNTY, ARIZONA MORE PARTICULARLY
DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID
SECTION 29;

THENCE EAST 1330.49 FEET TO THE POINT OF
BEGINNING;

THENCE CONTINUING EAST 451.24 FEET;

THENCE SOUTH 570 FEET;

THENCE WEST 451.09 FEET;

THENCE NORTH 570 FEET TO THE POINT OF
BEGINNING.

ALSO KNOWN AS PARCEL 1 AS SHOWN IN BOOK 3 OF
SURVEYS, PAGE 227.

CONTAINS 5.9 ACRES, MORE OR LESS.

(NOTE: THIS LEGAL DESCRIPTION DERIVED FROM THE
PINAL COUNTY ASSESSOR LEGAL INFORMATION FOR
PARCEL NUMBER 502-38-003Q2 AND DOES NOT
REPRESENT A FIELD SURVEY OF THE SUBJECT
PROPERTY.)

LEGAL DESCRIPTION

A PORTION OF SECTION 29, TOWNSHIP 5 SOUTH,
RANGE 5 EAST, GILA & SALT RIVER BASE & MERIDIAN,
PINAL COUNTY, ARIZONA MORE PARTICULARLY
DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID
SECTION 29;

THENCE EAST 1330.49 FEET;

THENCE SOUTH 819.50 FEET TO THE POINT OF
BEGINNING;

THENCE EAST 451.02 FEET;

THENCE SOUTH 498.73 FEET;

THENCE WEST 450.89 FEET;

THENCE NORTH 498.99 FEET TO THE POINT OF
BEGINNING.

ALSO KNOWN AS PARCEL 3 AS SHOWN IN BOOK 3 OF
SURVEYS, PAGE 227.

CONTAINS 5.13 ACRES, MORE OR LESS.

(NOTE: THIS LEGAL DESCRIPTION DERIVED FROM THE
PINAL COUNTY ASSESSOR LEGAL INFORMATION FOR
PARCEL NUMBER 502-38-003R2 AND DOES NOT
REPRESENT A FIELD SURVEY OF THE SUBJECT
PROPERTY.)

#12

Commercial Investments, Inc.

Real Estate Investment and Development

August 19, 2005

Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Dear Valley Financial Center
22601 North 19* Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Service for approximately 80 acres at the Southwest corner of Carranza and Anderson within the City of Stanfield, Pinal County, Arizona.

Dear Ms Liles,

Please accept this letter as a request for service from Carranza Associates, L.L.C., a Delaware Limited Liability Company (By, GKH Diversified Limited Liability Partnership, a Nevada Limited Partnership) and Commercial Investments, Inc (Managing Partner) for water and wastewater service to approximately 80 acres at the Southwest corner of Carranza and Anderson within the City of Stanfield, Pinal County, Arizona (attached legal description, Exhibit A). It is our intention to continue to pursue the preliminary platting, rezoning and development of this planed area development to serve single family residential homes.

Carranza & Anderson would like to be included in your next available expansion of service area for Santa Cruz Water Company and Palo Verde Utility Company.

Sincerely,


Mike E. Willard, General Partner
Carranza Associates, LLC, a Delaware Limited Liability Company
By: GKH Diversified Limited Liability Partnership, a Nevada Limited Partnership,
Sole Member

Commercial Investments, Inc.
Real Estate Investment and Development

Carranza & Anderson

EXHIBIT "A"

The North half of the Northeast quarter of Section 10, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona

Approximately 80 Acres on the Southwest corner of Carranza and Anderson within the City of Stanfield, APN# 500-16-001, Pinal County, Arizona



Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Dear Valley Financial Center
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Service

Please accept this letter as a request for service from LLF Stanmar Estates, (Steve Rees, Manager) for water and wastewater service. It *is* our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

Langley Farm Investments would like to be included in you next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Pleas contact Steve Rees if you have any questions at (480) 633-0999.

Sincerely,


Steve Rees, Manager



Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Dear Valley Financial Center
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Service

Please accept this letter as a request for service from CCB Stanfield Estates, LLC, (Steve Rees, Manager) for water and wastewater service. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

Langley Farm Investments would like to be included in you next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Pleas contact Steve Rees if you have any questions at (480) 633-0999.

Sincerely,


Steve Rees, Manager



Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Dear Valley Financial Center
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Service

Please accept this letter as a request for service from Langley Stanfield Estates, LLC, (Steve Rees, Manager) for water and wastewater service. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

Langley Farm Investments would like to be included in you next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Please contact Steve Rees if you have any questions at (480) 633-0999.

Sincerely,


Steve Rees, Manager

TERBUS INVESTMENTS, LLC

4747 E Elliot Road
Suite 29-307
Phoenix, Arizona 85044
Phone: 602-320-0712
Fax: 480-452-0948
Email: terbus@aol.com

November 11, 2005

Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Deer Valley Financial Center
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Service for approximately 40 acres at the
SEC of White & Parker Road and Selma Highway in Pinal County

Dear Ms. Liles,

Please accept this letter as a request for service from TERBUS Investments, LLC for water and wastewater service to our approximately 40 acres west of White & Parker Road at Selma Highway. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

We would like our property to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Please contact me if you have any questions, I can be reached at (602) 320-0712

Sincerely,



R.H. Lea
Managing Member
TERBUS INVESTMENTS, LLC

DOUGLAS PAYNE

November 11, 2005

Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Deer Valley Financial Center
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Service for approximately 80 acres at the SEC of White & Parker Road and Selma Highway in Pinal County


Dear Ms. Liles,

Please accept this letter as a request for service from Douglas Payne for water and wastewater service to my approximately 80 acres west of White & Parker Road at Selma Highway. It is my intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

I would like my property to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Please contact me if you have any questions, I can be reached at (602) 510-6980

Sincerely,


Douglas M. Payne

P.O. Box 924
Pearce, AZ 85625

Phone: 602-510-6980
Fax: 480-452-0948
Email: otap7@aol.com

Anderson & Val Vista 6, LLC
8501 N. Scottsdale Road, Suite 260
Scottsdale, Arizona 85253
(480)889-9900

May 26, 2005

Ms. Cindy Liles
Santa Cruz Water Company, LLC
Palo Verde Utilities Company, LLC
22601 N. 19th Avenue, Suite 210
Phoenix, AZ 85027

Re: *Water and Wastewater Services Southeast of the City of Maricopa*

Dear Ms. Liles:

Please accept this letter as a request from Anderson & Val Vista 6, LLC, ("Owner") for water and wastewater services to approximately 1,248 acres located Southeast of the City of Maricopa, Arizona specifically referred to as the Southeast Expansion Area. Owner would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Owner acquired the 1,248 acres with the intent of holding the property for investment and future appreciation. Owner, however, understood that to bring additional value to the property, it may be necessary to rezone and engineer the land for use as a master planned community to serve single family residential homes. The Owner has allowed Santa Cruz Land Co. to complete the preliminary planning and to submit a PAD Rezoning Package to Pinal County and anticipates County Approval in July 2005. Owner understands that the final plats and engineering will begin immediately following Rezoning Approval and the Owner anticipates County Approval of all plats and engineering plans by March 2006.

Based on this expedited timeline and the financial obligations invested by the Owner to date, please recognize the urgency and need for this property to be serviced by the Santa Cruz Water Company and Palo Verde Utilities Company. If a CC&N is not approved by February 2006, then the County will not approve the ~~final~~ plats and engineering for the project at that time; thus, resulting in a delay of the project.

Ms. Cindy Liles
Page 2 of 2

Please contact me if you have any questions. I can be reached at 480-889-9900.

Sincerely,

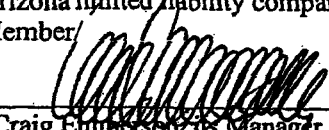
ANDERSON & VAL VISTA 6, LLC,
an Arizona limited liability company

By: **JW VENTURES, LLC,**
an Arizona limited liability company,
its Member

By: **C.R.A., I. Inc.,**
an Arizona corporation,
its manager

By: 
Phil DeAngelis, its President

By: **MARICOPA GRANDE HOLDINGS I, L.L.C.,**
an Arizona limited liability company,
its Member

By: 
Craig Emerson, its Manager

By: 
Mike Anderson, its Manager

SANTA CRUZ LAND COMPANY
7890 E. McClain Drive, Suite 5
Scottsdale, Arizona 85260
(480)889-9900

May 27, 2005

Ms. Cindy Liles
Santa Cruz Water Company, LLC
Palo Verde Utilities Company, LLC
22601 N. 19th Avenue, Suite 210
Phoenix, AZ 85027

Re: Water and Wastewater Services Southeast of the City of Maricopa

Dear Ms. Liles:

Please accept this letter as a request from Santa Cruz Land Company, the Optionee under that certain Option Agreement ("Option") dated March 1, 2004 ("Santa Cruz") for water and wastewater services to approximately 1,248 acres located Southeast of the City of Maricopa, Arizona, specifically referred to as the Southeast Expansion Area. Santa Cruz would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Santa Cruz acquired an Option on the 1,248 acres with the intent of rezoning and engineering the land for use as a master planned community to serve single family residential homes. Santa Cruz has completed the preliminary planning and has submitted a PAD Rezoning Package to Pinal County and anticipates County Approval in July 2005. The final plats and engineering will begin immediately following Rezoning Approval and Santa Cruz anticipates County Approval of all plats and engineering plans by March 2006.

Based on this expedited timeline and the financial obligations invested by Santa Cruz to date, please recognize the urgency and need for this property to be serviced by the Santa Cruz Water Company and Palo Verde Utilities Company. If a CC&N is not approved by February 2006, then the County will not approve the final plats and engineering for our project at that time; thus, resulting in a delay of our project.

Please contact me if you have any questions. I can be reached at 480-889-9900.

Sincerely,

SANTA CRUZ LAND COMPANY,
an Arizona Corporation

By: _____

Craig Emmerson, President

C. KRONWALD CHILDREN'S TRUST

1225 East Warner Road #8
Tempe, Arizona 85284

(480) 755-4740

October 27, 2005

Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Dear Valley Financial Center
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

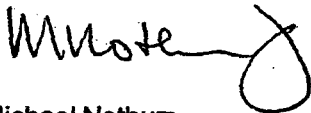
RE: Water and Wastewater Service for approximately 80 acres on the north side of Val Vista Road east of Papoose Road in Pinal County, AZ

Dear Ms. Liles,

Please accept this letter as a request for service from Michael Nothum, Jr. Children's Irrevocable Trust I and Carol Kronwald Children's Irrevocable Trust I for water and wastewater service to approximately 80 acres on the north side of Val Vista Road east of Papoose Road. It is our intention to pursue the preliminary platting and rezoning of this land to serve single family residential homes.

We would like to be included in your next expansion of service areas for Santa Cruz Water Company and Pafu Verde Utility Company.

Sincerely,



Michael Nothum
Trustee



Carol Kronwald
Trustee

July 1, 2005

Ms. Cindy Liles
Global Water Resources, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services in Southeast Expansion Area

Dear Ms. Liles:

Please accept this letter as a request for water and wastewater services for approximately 807 acres located Southeast of the City of Maricopa, Arizona, specifically referred to as the Southeast Expansion Area. Hampden and Chambers, LLC and BevNorm Olive, LLC would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Hampden and Chambers, LLC and BevNorm Olive, LLC are currently in the process of obtaining a Comprehensive Plan amendment, rezoning the land, and preparing to submit a preliminary plat application. Securing water and wastewater services is critical to our land development efforts. We anticipate that our final plat will not be approved if water and wastewater services are not available.

Sincerely,

Hampden and Chambers, LLC
A Colorado Limited Liability Company

By: 
Bruce Galloway, Manager

BevNorm Olive, LLC
An Arizona Limited Liability Company

By: 
Bruce Galloway, Manager

KEJE Group, LLC
7854 W Sahara, Suite 100
Las Vegas, NV 89117
(702) 216-4663

June 27, 2005

Ms. Cindy Liles
Santa Cruz Water Company, LLC
Palo Verde Utilities Company, LLC
22601 N 19th Avenue, Suite 210
Phoenix, AZ 85027

Re: Water and Wastewater Services Southeast of the City of Maricopa

Dear Ms. Liles,

Please accept this letter as a formal request from KEJE Group, LLC for water and wastewater services to the approximately 80 acres of land located Southeast of the City of Maricopa in your Southeast Expansion Area, more specifically identified as APN 501-15-014B and located at the NEC of Porter Rd and Selma Highway. KEJE Group, LLC would like to be included in your next available expansion of service areas for Santa Cruz Water Company, LLC and Palo Verde Utilities Company, LLC

KEJE Group, LLC has recently acquired this land with the intent of rezoning and engineering the land for use as a residential community of single family homes. This process will commence in the coming months.

Based on the significant investment in this property and the upcoming entitlements, please recognize the urgency and need for including this property in your Southeast Expansion Area.

If you need any further details please contact me at the number listed above.

Sincerely,

KEJE Group, LLC

By: 

Kenneth H. Lowman, President
Premier Homesites, Inc
Its Co-Manager

Commercial Investments, Inc.
Real Estate Investment and Development

June 21, 2005

Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Dear Valley Financial Center
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Service for approximately 95.5 acres at the SEC of Stanfield Rd. and Miller Road in Pinal County, AZ

Please accept this letter as a request for service from Stanfield Estates (EASTPAC, LLC, GKH Limited, LP and Loren Huweiler - Owners) and Commercial Investments, Inc (Managing Partner) for water and wastewater service to approximately 95.5 acres at the SEC Stanfield Rd. and Miller Roads. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

Stanfield Estates would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Please contact me if you have any questions, I can be reached at (602) 861-2202

Sincerely,



Louis L. Turner
Managing Partner
Stanfield Estates

StanfieldGlobalWaterService Ltr6-21-05

July 29, 2005

Ms. Cindy Liles
Santa Cruz Water Company
Palo Verde Utilities Company
22601 N. 19th Ave.
Phoenix, AZ 85027

Re: Water and Sewer Service in the area of Stanfield, Arizona

Dear Ms. Liles:

Please accept this letter as a request from Vanderbilt Farms, LLC for water and sewer service to approximately 1920 acres (a.k.a. Thude) located north of Stanfield, AZ within the Southeast Expansion Area. The Requestor would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Vanderbilt has approved rezoning and a PAD on the land for use as a master planned community. Vanderbilt anticipates commencement of site engineering upon the availability of water and sewer service.

Please contact me at the number below if you have any questions.

Sincerely,

Vanderbilt Farms LLC.
an Arizona Limited Liability company

By: 

Its: 

1121 West Warner Rd., Suite 109
Tempe, Arizona 85284
(480) 831-2000 fax (480) 893-1604

June 28, 2005

Ms. Cindy Liles
Santa Cruz Water Company, LLC
Palo Verde Utilities Company, LLC
22601 N. 19th Ave, Suite 210
Phoenix, AZ 85027

Re: Water and Wastewater Services Southeast of the City of Maricopa

Dear Ms. Liles:

Please accept this letter as a request from TOM-T, L.L.C., T & T FARMS, L.L.C., and TTTT FARMS, LLC, for water and wastewater services to approximately 1,213 acres located on the south side of Highway 84 from Stanfield Road to White and Parker Road, Pinal County, Arizona. I would like the property to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company, which I understand is specifically referred to as the Southeast Expansion Area.

A PAD Rezoning Package is currently being prepared for submittal to Pinal County for approval of a master planned community and water and wastewater services are needed to serve single family residential homes and other planned uses. Following rezoning approval, the engineering and platting of the property will commence and approval of the CC&N is necessary for the County to approve final plats. It is my request that the CC&N approval be obtained as soon as possible to avoid any delays in serving the property.

Please contact me if you have any questions. I can be reached at (602) 390-2733.

Sincerely,



Thomas M. Dugan, Managing Member of
TOM-T, L.L.C., an Arizona limited liability company,
T & T FARMS, L.L.C., an Arizona limited liability company, and
TTTT FARMS, LLC, an Arizona limited liability company

July 29, 2005

Ms Cindy Liles
Santa Cruz Water Company
Palo Verde Utilities Company
22601 N. 19th Ave.
Phoenix, AZ 85027

Re: Water and Sewer Service in the area of Stanfield, Arizona

Dear Ms. Liles:

Please accept this letter as a request from ROB-LIN Marketing, Inc. for water and sewer service to approximately 1228 acres (a.k.a. Talla) located north of Stanfield, AZ within the Southeast Expansion Area. The Requestor would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Talla has approved rezoning and a PAD on the land for use as a master planned community. ROB-LIN anticipates commencement of site engineering upon the availability of water and sewer service.

Please contact me at the number below if you have any questions.

Sincerely,

ROB-LIN Marketing Inc.,
an Arizona Corporation


By: Judy Wolfswinkel

Its: REQUEST

JP Holdings, L.P.
33046 W. Barnes Rd. Stanfield, AZ 85272
(520) 424-3303 (520) 424-3364

June 3, 2005

Ms. Cindy Liles
Santa Cruz Water Company, LLC
Palo Verde Utilities Company LLC
22601 N. 19th Avenue
Phoenix, AZ 85027

RE: Water and Wastewater Services
Southeast of the City of Maricopa

Dear Ms. Liles:


Please accept this letter of agreement from JP Holdings LP ("Owner") allowing Anderson & Miller 694 LLP ("Buyer") to request water and wastewater services to approximately 689 Ac located Southeast of the City of Maricopa, Arizona specifically referred to as the Southeast Expansion Area. The buyer would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Buyer will acquire the 689 Ac from the owner on March 1st 2006 with intent of rezoning and engineering the land for the use of a master planned community to serve single family residential homes. The Buyer has with our knowledge completed the preliminary planning and has submitted a PAD Rezoning Package to Pinal County and anticipates County approval in July 2005. The final plats and engineering will begin immediately following Rezoning Approval. The buyer anticipates County Approval of all plats and engineering by February 2006.

Based on this expedited timeline and the financial obligations invested by the Owner and Buyer to date, please recognize the urgency and need for this property to be serviced by the Santa Cruz Water Company and Palo Verde Utilities Company. If a CC&N is not approved by February 2006, then the County will not approve the final plats and engineering for their project at that time; thus resulting in a delay of their project.

Please contact Maryanne Lucas if you have any questions. She can be reached at (480) 889-9900.

Sincerely,


John Thibe, Managing Partner
JP Holdings, LP

July 29, 2005

Ms. Cindy Liles
Santa Cruz Water Company
Palo Verde Utilities Company
22601 N. 19th Ave.
Phoenix, AZ 85027

Re: Water and Sewer Service in the area of Stanfield, Arizona

Dear Ms. Liles:

Please accept this letter as a request from ABCDW, LLC for water and sewer service to approximately 1942 acres (a.k.a. Stanfield 1942) located south of Stanfield, AZ within the Southeast Expansion Area. The Requestor would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

ABCDW has started planning and is preparing a PAD on the land for use as a master planned community. Vanderbilt anticipates commencement of site engineering upon the availability of water and sewer service.

Please contact me at the number below if you have any questions.

Sincerely,

ABCDW L.L.C.
an Arizona Limited Liability company

By: *Bob Olson*

Its: *member*

1121 West Warner Rd., Suite 109
Tempe, Arizona 85284
(480)831-2000 fax (480) 893-1604

Aug 16 05 06:42p

Paul Jorde

480-283-0879

P-2

08/15/05 09:28 FAX 480 893 1604

VISITORS PARKING

Ms. Cindy Liles
Palo Verde Utilities Company, LLC
22601 N. 19th Ave., Ste. 210
Phoenix, AZ 85027

Re: Water and Sewer CC&N Expansion
Arizona Corporation Commission

Dear Ms. Liles:

The undersigned is owner or authorized representative of the owners of the red property described on the attached Exhibit A and being a part of the projects known as Jorde Hacienda located in Pinal County, Arizona. The owner(s) have no objection to Santa Cruz Water Company's and Palo Verde Utilities Company's inclusion of Owner's land described on Exhibit A in Palo Verde and Santa Cruz's CC&N expansion application.

Sincerely,
Jorde Hacienda, Inc., an Arizona corporation

Paul Jorde, President 8-16-05
By: Paul Jorde Date
Its:

EXHIBIT A TO
PURCHASE AND SALE AGREEMENT

Legal Description

PARCEL NO. 1:

The Northeast quarter of Section 15, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

PARCEL NO. 2:

The South half of the South half of Section 11, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona;

EXCEPT that portion of the South half of the South half of Section 11, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona, which lies within a strip of land 300 feet in width, being 150 feet wide, when measured at right angles, on each side of the following described line:

BEGINNING at a point on the Easterly line of said Section 11 and from which the Southeast quarter of said section 11 bears South 00 degrees 01 minutes 40 seconds West, 867.59 feet distant therefrom;

Thence North 89 degrees 54 minutes 21 seconds West, (North 89 degrees 52 minutes 59 seconds West, record) along said centerline, a distance of 5286.33 feet to a point on the Westerly line of said Section 11, said point also being the point of terminus, and from which the Southwest corner of said Section 11 bears South 00 degrees 00 minutes 56 seconds West, 876.07 feet distant therefrom;

EXCEPT that portion of the South half of the South half of Section 11, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona, lying Easterly of the following described line:

BEGINNING at the Southeast corner of said Section 11;

Thence North 89 degrees 57 minutes 21 seconds West (North 89 degrees 52 minutes 59 seconds West, record) being parallel with the Southerly right-of-way line of the Yuma-Casa Grande Interstate Highway 8, a distance of 68.25 feet;

Thence North 00 degrees 01 minutes 40 seconds East (North 00 degrees 30 minutes 00 seconds East, record), being parallel with the Easterly line of said Section 11, a distance of 717.56 feet (716.90 feet record) to a point on said Southerly right-of-way line of the Yuma-Casa Grande Interstate Highway 8, said point also being the point of terminus of this description; and

EXCEPT that portion of the South half of the South half of Section 11, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona, lying Easterly of the following described line:

BEGINNING at the Southeast corner of said Section 11;

Thence North 00 degrees 03 minutes 00 seconds East 1866.90 feet;

Thence North 89 degrees 52 minutes 59 seconds West 57.31 feet;

Thence South 00 degrees 07 minutes 01 seconds West 400 feet;

Thence North 89 degrees 52 minutes 59 seconds West 9.33 feet;

Thence South 00 degrees 07 minutes 01 seconds West 175 feet;

Thence North 89 degrees 52 minutes 59 seconds West 122.93 feet;

Thence South 00 degrees 07 minutes 01 seconds West 275 feet to the North line of the first exception herein and the end of this line description.

PARCEL NO. 3:

The West half of Section 14, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

PARCEL NO 4:

The Northwest quarter and the North half of the Southwest quarter of Section 11, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

EXCEPT that portion conveyed to the State of Arizona in Docket 373, page 77 and in Docket 375, page 501.

PARCEL NO. 5:

The Northeast quarter and the North half of the Southeast quarter of Section 11, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

EXCEPT that portion conveyed to the State of Arizona in Docket 373, page 77 and in Docket 375, page 501.

PARCEL NO. 6:

The East half of Section 14, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona;

EXCEPT all the coal and other minerals as reserved in Patent from United States of America.

EXCEPT that portion conveyed to the State of Arizona by Deed recorded in Docket 383, page 330, described as follows:

The East 68.25 feet of the North 133.10 feet of Section 14, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

PARCEL NO. 7:

Lot 18 and the South half of the Northwest quarter and the North half of the Southwest quarter of Section 13, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona;

EXCEPT all coal and other minerals as reserved in Patent from United States of America.

PARCEL NO. 8:

Lots 19 and 20 of Section 13, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

PARCEL NO. 9:

That portion of the North half of the Northwest quarter of Section 24, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona, described as follows:

BEGINNING at the Southeast corner of the North half of the Northwest quarter of said Section 24;

Thence North 00 degrees 03 minutes East along the East line thereof, 500 feet;

Thence South 89 degrees 59 minutes 45 seconds West, parallel with the South line of the North half of the Northwest quarter of said Section 24, a distance of 232 feet;

Thence South 00 degrees 03 minutes West 500 feet to a point on the South line of the North half of the Northwest quarter of said Section 24;

Thence North 89 degrees 59 minutes 45 seconds East along said South line, 232 feet to the POINT OF BEGINNING.

PARCEL NO. 10:

Lots 5 and 6 of Section 24, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

EXCEPT all the coal and other minerals as reserved in Patent from United States of America.

PARCEL NO. 11:

The South half of the Southwest quarter of Section 13, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

PARCEL NO. 12:

Lots 5, 6, 7, 8, 17, 18, 19 and 20, Section 12, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

EXCEPT all that portion which lies within a strip of land 300 feet in width, being 150 feet, when measured at right angles on each side of the following described centerline:

BEGINNING at a point on the West line of Section 7, Township 7 South, Range 3 East, which point of 150 feet Southerly of the West quarter corner thereof;

Thence North 89 degrees 52 minutes 59 seconds West, a distance of 10562.63 feet, more or less, to a point on the West line of said Section 12 and the end of this centerline description; and

EXCEPT all the coal and other minerals as reserved in Patent from United State of America. (Affects Lots 5 and 6 of said Section 12)

PARCEL NO. 13:

The West half of Section 12, Township 7 South, Range 4 East of the Salt River Base and Meridian, Pinal County, Arizona;

EXCEPT all that portion which lies within a strip of land 300 feet in width, being 150 feet, when measured at right angles; on each side of the following described centerline:

BEGINNING at a point on the West line of Section 7, Township 7 South, Range 3 East, which point is 150 feet Southerly of the West quarter corner thereof;

Thence North 89 degrees 52 minutes 59 seconds West, a distance of 10562.63 feet, more of less, to a point on the West line of said Section 12 and the end of this centerline description; and

EXCEPT all the coal and other minerals as reserved in Patent from United States of America. (Affects the South half of the Southwest quarter of said Section 12); and

EXCEPT all that portion lying Westerly of the following described ~~Line~~:

COMMENCING at the Northwest corner of Section 13, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona;

Thence South 00 degrees 03 minutes 00 seconds West, a distance of 133.10 feet;

Thence South 89 degrees 52 minutes 59 seconds East, a distance of 106.79 feet to the TRUE POINT OF BEGINNING;

Thence North 00 degrees 03 minutes 00 seconds East, a distance of 2000 feet and the end of this line description.

PARCEL NO. 14:

Government Lots 3 through 10 inclusive, 15, 16, 17, 21, 22 and the North half of the Northwest quarter of Section 13, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

PARCEL NO. 15:

Government Lots 3 and 4, Section 24, Township 7 South, Range 4 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona.

BCY Limited Partnership

PO Box 826 - Gilbert, AZ 85299
Phone (480)988-3550 - Fax (480)988-9818

July 18, 2005

Ms. Cindy Liles
Santa Cruz Water Company, LLC
Palo Verde utilities Company, LLC
22601 North 19th Avenue, Suite 210
Phoenix, Arizona 85027

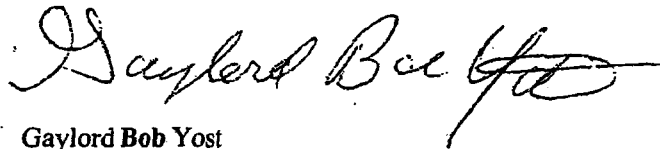
Re: Water and Wastewater

Please accept this letter as a request from the following entity: BCY Limited Partnership an Arizona limited partnership, (Gaylord Bob Yost, as trustee of the Gaylord Bob Yost Family Revocable Trust) for water and wastewater services. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

BCY Limited Partnership an Arizona limited partnership, would like to have their property included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utilities Company.

Please contact Bob Yost you have questions at 480 988-3550.

Very truly yours,



Gaylord Bob Yost
BCY Limited Partnership an Arizona limited partnership

Carmichael & Sons, LTD.
14515 East Elgin Street
Gilbert, Arizona 85296
(480) 814-9573
(480) 814-7633 Fax

July 18, 2005

Ms. Cindy Liles
Vice President & CEO
Global Water Management, LLC
Dear Valley Financial Center
22601 North 19th Avenue, Suite 210
Phoenix, Arizona 85027

RE: Water and Wastewater Service

Please accept this letter as a request for service from Carmichael & Sons, LTD. (David Carmichael, Managing Partner) for water and wastewater service. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area development to serve single family residential homes.

Carmichael & Sons would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Please contact David Carmichael if you have any questions at (480) 814-9573.

Sincerely,



David L. Carmichael, Managing Partner
Carmichael & Sons, LTD.
14515 East Elgin Street
Gilbert, Arizona 85296
(480) 814-9573
(480) 814-7633 Fax

DLC/bp

September 9, 2005

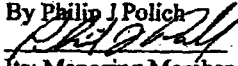
Ms. Cindy Liles
Vice President and CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services

Dear Ms. Liles,

Please accept this letter as a request for service from Gallup Financial, LLC for water and wastewater services to approximately 2700 acres, more particularly described as Exhibit A attached hereto. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area, in order to serve single family residential homes, multi-family residential homes, and/or commercial uses.

Gallup Financial, LLC would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Gallup Financial LLC
An Arizona Limited Liability Company.
By 
Its: Managing Member

**EXHIBIT A
LEGAL DESCRIPTION
POLICH PARCELS
WATER AND SEWER SERVICE AGREEMENT**

**THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 24,
TOWNSHIP 5 SOUTH, RANGE 4 EAST OF THE GILA AND SALT RIVER MERIDIAN,
PINAL COUNTY, ARIZONA.**

**THE NORTHWEST QUARTER OF SECTION 18, TOWNSHIP 5 SOUTH, RANGE 5 EAST,
OF THE GILA AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA.**

**THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 19,
TOWNSHIP 5 SOUTH, RANGE 5 EAST OF THE GILA AND SALT RIVER MERIDIAN,
PINAL COUNTY, ARIZONA.**

**THE EAST HALF OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF
SECTION 29, TOWNSHIP 5 SOUTH, RANGE 5 EAST OF THE GILA AND SALT RIVER
MERIDIAN, PINAL COUNTY, ARIZONA.**

**THE SOUTH 1878.00 FEET OF SECTION 31, TOWNSHIP 5 SOUTH, RANGE 5 EAST OF
THE GILA AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA.
EXCEPT THE SOUTH HALF OF THE SOUTHWEST QUARTER OF THE SOUTHWEST
QUARTER OF SAID SECTION 31.**

**THE NORTH HALF OF SECTION 32, TOWNSHIP 5 SOUTH, RANGE 5 EAST OF THE
GILA AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA.**

**THE NORTH HALF OF SECTION 6, TOWNSHIP 6 SOUTH, RANGE 5 EAST OF THE GILA
AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA.**

RECEIVED

DEC 07 2005

September 9, 2005

Ms. Cindy Liles
Vice President and CEO
Global Water Management, LLC
22601 North 19th Avenue, Suite 210
Phoenix, AZ 85027

RE: Water and Wastewater Services

Dear Ms. Liles,

Please accept this letter as a request for service from Gallup Financial, LLC for water and wastewater services to approximately 2700 acres, more particularly described as Exhibit A attached hereto. It is our intention to continue to pursue the preliminary platting, rezoning and development of this planned area, in order to serve single family residential homes, multi-family residential homes, and/or commercial uses.

Gallup Financial, LLC would like to be included in your next available expansion of service areas for Santa Cruz Water Company and Palo Verde Utility Company.

Gallup Financial LLC
An Arizona Limited Liability Company.
By Philip J Polich
Its: Managing Member

EXHIBIT A
INFRASTRUCTURE COORDINATION AGREEMENT

LEGAL DESCRIPTION OF LAND

Legal Description

Grande Valley

Parcel No. 1:

A portion of Sections 29, 30, and 31, Township 5 South, Range 5 East of the Gila and Salt River Meridian, Pinal County, Arizona, more particularly described as follows:

COMMENCING at the Northwest corner of said Section 30, the TRUE POINT OF BEGINNING;

THENCE North 89 degrees 39 minutes 12 seconds East, a distance of 2662.57 feet to the North quarter corner of said section 30;

THENCE North 89 degrees 39 minutes 11 seconds East, a distance of 2651.77 feet to the Northeast corner of said Section 30 said point also being the Northwest corner of said Section 29;

THENCE South 89 degrees 56 minutes 22 seconds East, along the North line of said Section 29, a distance of 1330.23 feet;

THENCE South 00 degrees 02 minutes 39 seconds West, a distance of 1318.35 feet;

THENCE South 89 degree 56 minutes 46 seconds East, a distance of 1217.90 feet;

THENCE South 00 degrees 04 minutes 18 seconds West, a distance of 1318.14 feet;

THENCE South 00 degrees 05 minutes 45 seconds West, a distance of 2637.11 feet to a point on the South line of said Section 29;

THENCE North 89 degrees 57 minutes 34 seconds West, a distance of 2542.75 feet to the Southwest corner of said Section 29, said point also being the Northeast corner of said Section 31;

THENCE South 00 degrees 10 minutes 05 seconds West, along the West line of said Section 31, a distance of 198.73 feet to a point on the Northerly right-of-way line of the Maricopa-Casa Grande Highway;

THENCE North 53 degrees 48 minutes 11 seconds West, along said right-of-way line, a distance of 6582.80 feet to a point on the West line of said Section 30;

THENCE North 00 degrees 00minutes 39 seconds East, a distance of 1553.34 feet to the TRUE POINT OF BEGINNING.

EXCEPT an undivided ½ interest of all minerals as reserved in Deed recorded June 17, 1985 in Docket 1293, Page 3 16 and Docket 779, Page 468.

Parcel No. 2:

A portion of Sections 30 and 31, Township 5 South, Range 5 East, and Section 25, Township 5 South, Range 4 East of the Gila and Salt River Meridian, Pinal County, Arizona, more particularly described as follows:

COMMENCING at the Northwest corner of said Section 31, said point also being the Southwest corner of said Section 30, the TRUE POINT OF BEGINNING;

THENCE North 00 degrees 03 minutes 35 seconds West, a distance of 418.83 feet to the Southeast corner of said Section 25;

THENCE North 88 degrees 21 minutes 52 seconds West, along the South line of said Section 25, a distance of 1000.41 feet;

THENCE North 00 degrees 00 minutes 04 seconds West, a distance of 3501.85 feet;

THENCE South 53 degrees 48 minutes 11 seconds East, a distance of 3495.30 feet;

THENCE South 00 degrees 10 minutes 05 seconds West, a distance of 5274.90 feet;

THENCE South 89 degrees 35 minutes 00 seconds West, a distance of 1805.25 feet to a point on the West line of said Section 31 ;

THENCE North 00 degrees 05 minutes 28 seconds West, a distance of 760.64 feet to the West quarter corner of said Section 31 ;

THENCE North 00 degrees 02 minutes 13 seconds East, a distance of 2642.33 feet to the TRUE POINT OF BEGINNING.

Parcel No. 3:

A portion of Sections 30 and 31, Township 5 South, Range 5 East of the Gila and Salt River Meridian, Pinal County, Arizona, more particularly described as follows:

COMMENCING at the Northeast corner of said Section 31, said point also being the Southeast corner of said Section 30;

THENCE South 00 degrees 10 minutes 05 seconds West, along the East line of said Section 31, a distance of 705.70 feet to the TRUE POINT OF BEGINNING;

THENCE continuing South 00 degrees 10 minutes 05 seconds West, a distance of 1929.64 feet to the East quarter corner of said Section 31;

THENCE South 00 degrees 03 minutes 41 seconds West, along the East line of the Southeast quarter of said Section 31, a distance of 765.61 feet;

THENCE South 89 degrees 35 minutes 00 seconds West, a distance of 3499.32 feet;

THENCE North 00 degrees 10 minutes 05 seconds East, a distance of 5274.90 feet;

THENCE South 53 degrees 48 minutes 11 seconds East, a distance of 4325.00 feet to the TRUE POINT OF BEGINNING.

Tax Assessor Parcel Numbers:

502-38-004A	502-38-004B	502-38-005A
502-38-005B	502-38-0120	502-39-002A
502-39-0023	502-39-0043	502-39-004C
502-39-004D	503-29-0010	502-25-010B
502-25-010C	502-25-010D	

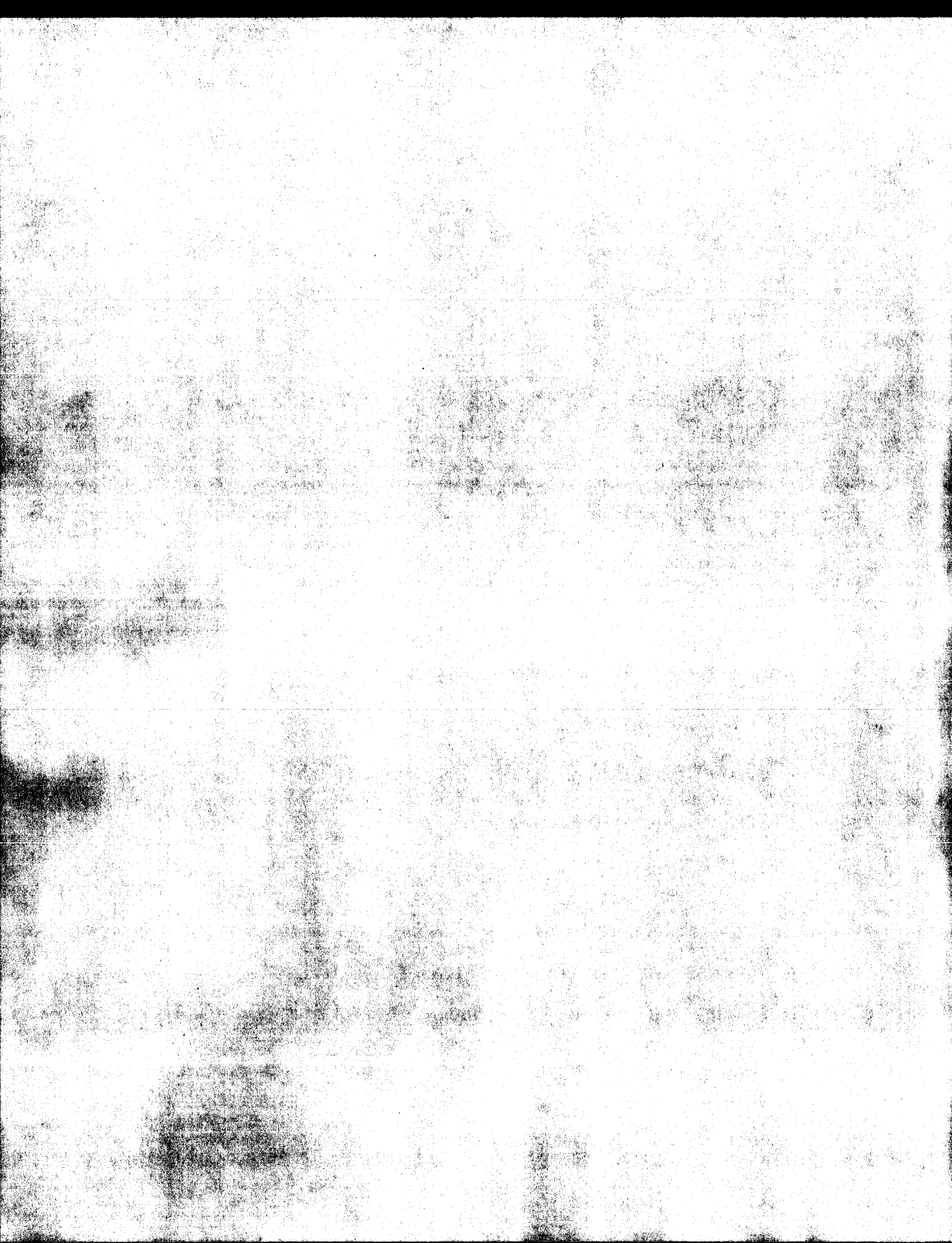


EXHIBIT 4

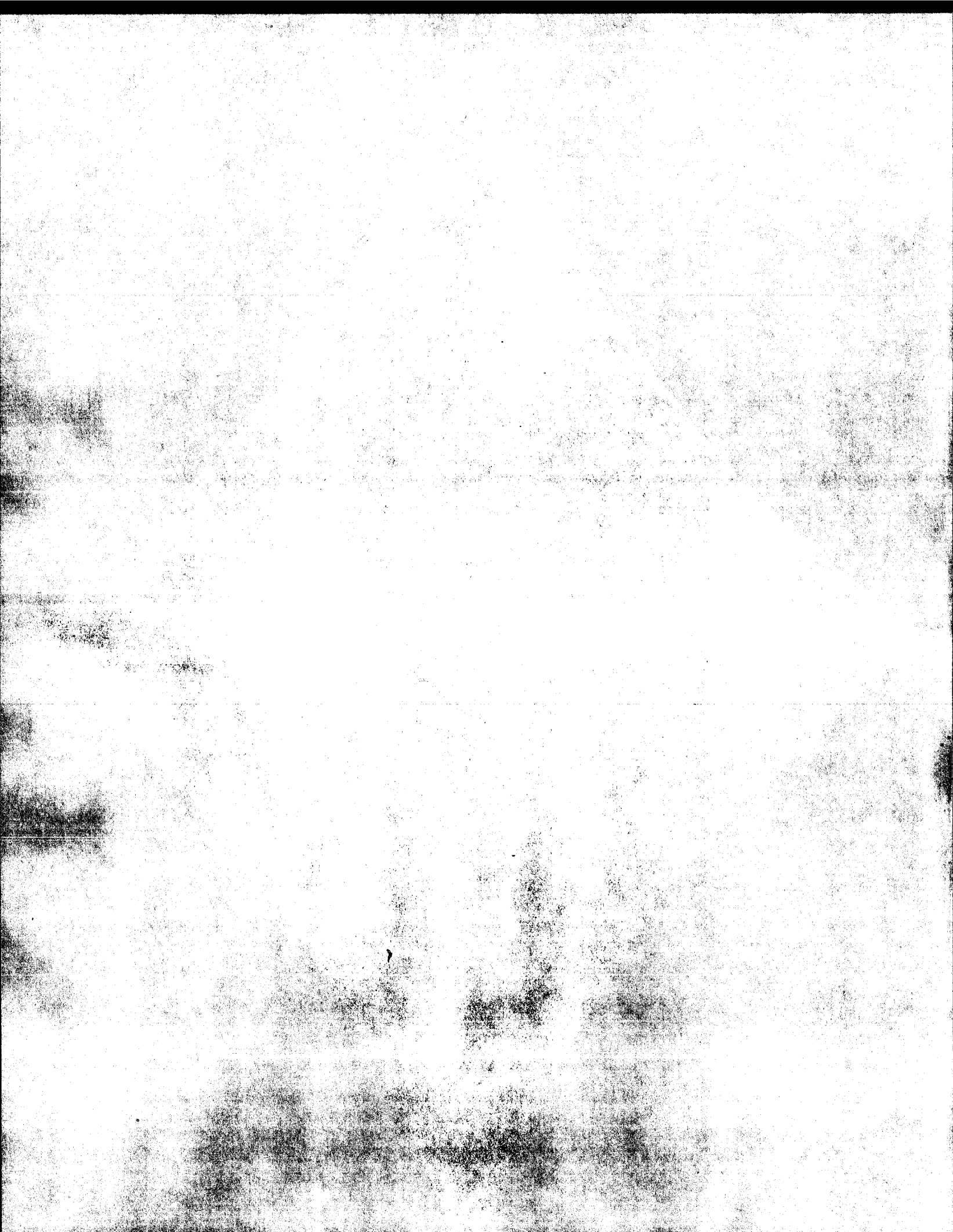
ARIZONA WATER COMPANY
Comparative Balance Sheet
at May 31, 2008

	May 31, 2008	May 31, 2007	Increase (Decrease)
ASSETS			
UTILITY PLANT			
Gross Utility Plant	\$ 356,947,997	\$ 309,383,070	\$ 47,564,927
Less Accumulated Depreciation	75,166,434	68,905,430	6,261,004
Net Utility Plant	281,781,563	240,477,640	41,303,923
CURRENT ASSETS			
Cash on Hand and in Banks	407,625	240,329	167,296
Investments and Special Deposits	2,703	2,703	0
Accounts Receivable	3,198,689	2,927,315	271,374
Materials and Supplies	295,054	270,400	24,654
Other	618,444	642,198	(23,754)
Total Current Assets	4,522,515	4,082,945	439,570
DEFERRED DEBITS			
	5,801,582	5,176,866	624,716
TOTAL	\$ 292,105,660	\$ 249,737,451	\$ 42,368,209
LIABILITIES			
CAPITALIZATION			
Common Stock	\$ 2,700,000	\$ 2,700,000	\$ 0
Capital Surplus	9,087,347	9,087,347	0
Retained Earnings	56,795,654	56,350,935	(1,555,281)
Common Stock Equity	68,583,001	70,138,282	(1,555,281)
Long-Term Debt	40,000,000	40,000,000	0
Total Capitalization	108,583,001	110,138,282	(1,555,281)
CURRENT LIABILITIES			
Notes Payable	39,430,000	15,500,000	23,930,000
Accounts Payable	4,094,192	4,524,223	(430,031)
Accrued Expenses	1,797,765	1,960,256	(162,491)
Other	733,056	729,155	3,901
Total Current Liabilities	46,055,013	22,713,634	23,341,379
DEFERRED CREDITS			
Advances for Construction	73,545,724	57,240,481	16,305,243
Contributions in Aid of Construction	34,815,312	28,641,241	6,174,071
Deferred Income Tax	19,531,731	18,329,842	1,201,889
Other	9,574,879	12,673,971	(3,099,092)
Total Deferred Credits	137,467,646	116,885,535	20,582,111
TOTAL	\$ 292,105,660	\$ 249,737,451	\$ 42,368,209

EXHIBIT 4

ARIZONA WATER COMPANY
Comparative Statement of Income
May 31, 2008

	12 MONTHS TO DATE			MAY		5 Months to Date	
	2008	2007	2008	2007	2008	2007	
OPERATING REVENUE	\$ 47,923,409	\$ 45,135,712	\$ 4,394,175	\$ 3,802,608	\$ 18,210,030	\$ 17,113,124	
OPERATING EXPENSES							
Operation and Maintenance	25,620,525	23,385,368	2,395,684	2,268,723	10,501,632	9,634,417	
Depreciation	7,751,430	5,884,509	695,293	513,426	3,476,518	2,572,323	
Taxes Other Than Income Taxes	6,753,662	6,548,565	634,063	575,028	2,753,256	2,701,110	
Income Taxes	1,886,190	3,017,099	218,153	115,756	294,776	1,060,924	
Total Operating Expenses	42,011,807	38,835,541	3,943,193	3,472,933	17,026,182	15,968,774	
OPERATING INCOME	5,911,602	6,300,171	450,982	329,675	1,183,848	1,144,350	
OTHER (INCOME) AND DEDUCTIONS							
Other (Income) - Net	(75,995)	(427,576)	(14,560)	(63,160)	(25,205)	(269,525)	
Interest and Amortization on Long-Term Debt	2,782,500	2,755,837	231,875	231,875	1,159,375	1,159,375	
Other Interest	1,619,303	693,041	130,453	84,364	691,261	313,097	
Other - Net	(1,146,525)	(2,902,324)	(71,135)	(194,855)	(352,667)	(917,478)	
Total Other (Income) and Deductions	3,179,283	118,978	276,633	58,224	1,472,764	285,469	
NET INCOME	2,732,319	6,181,193	\$ 174,349	\$ 271,451	\$ (288,916)	\$ 858,881	
Regular Common Dividends	4,287,600	4,182,300					
INCOME RETAINED	\$ (1,555,281)	\$ 1,998,893					
Active Services	84,009	83,040					



STATE OF ARIZONA



Office of the
CORPORATION COMMISSION
CERTIFICATE OF GOOD STANDING

To all to whom these presents shall come, greeting:

I, Brian C. McNeil, Executive Director of the Arizona Corporation Commission, do hereby certify that

*****ARIZONA WATER COMPANY*****

a domestic corporation organized under the laws of the State of Arizona, did incorporate on December 15, 1954.

I further certify that according to the records of the Arizona Corporation Commission, as of the date set forth hereunder, the said corporation is not administratively dissolved for failure to comply with the provisions of the Arizona Business Corporation Act; and that its most recent Annual Report, subject to the provisions of A.R.S. sections 10-122, 10-123, 10-125 & 10-1622, has been delivered to the Arizona Corporation Commission for filing; and that the said corporation has not filed Articles of Dissolution as of the date of this certificate.

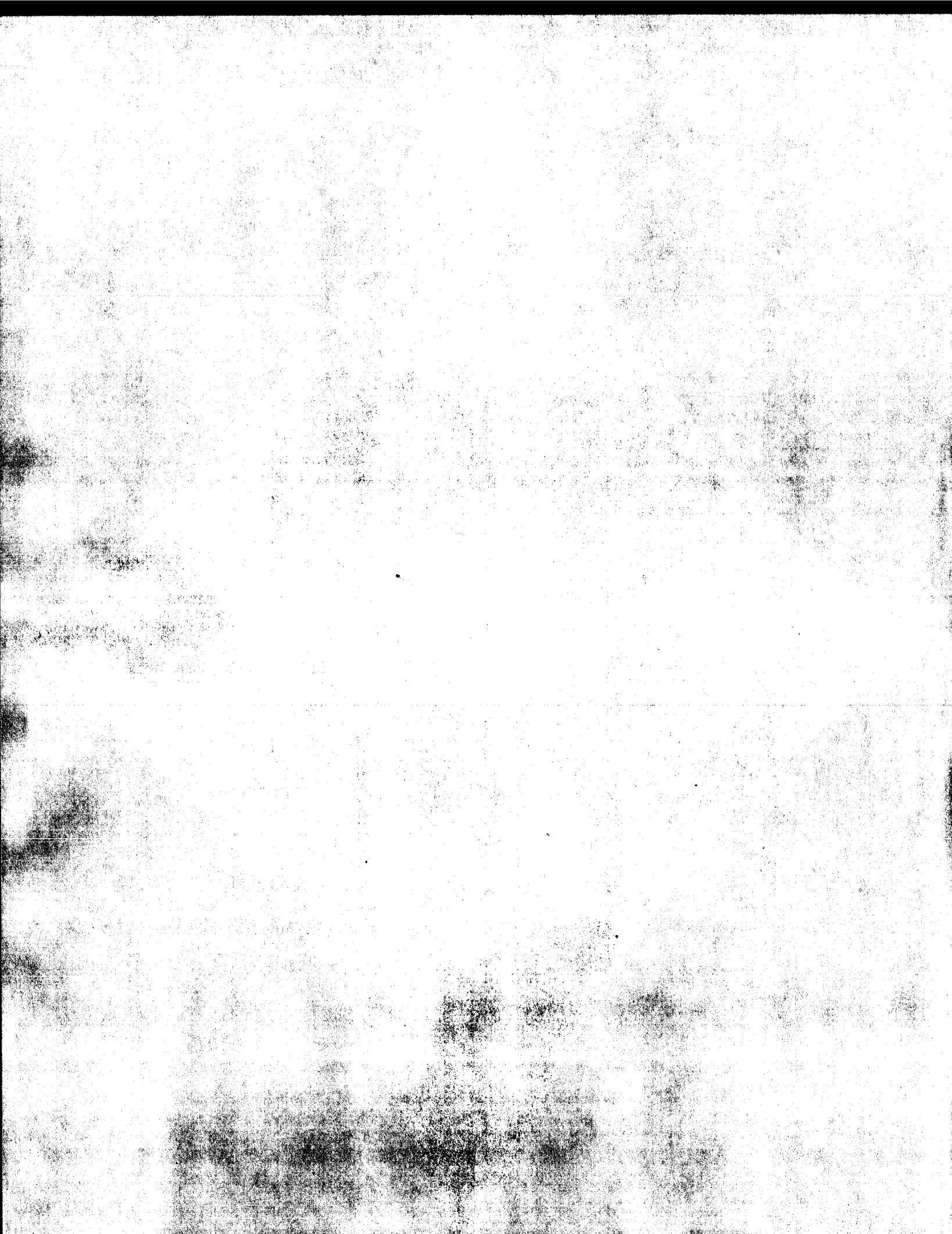
This certificate relates only to the legal existence of the above named entity as of the date issued. This certificate is not to be construed as an endorsement, recommendation, or notice of approval of the entity's condition or business activities and practices.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the Arizona Corporation Commission. Done at Phoenix, the Capital, this 25th Day of June, 2008, A. D.




Executive Director

Order Number: 248510



**EXHIBIT 10
WATER USE DATA SHEET**

NAME OF COMPANY _____ →	ARIZONA WATER COMPANY - Casa Grande
ADEQ Public Water System No. _____ →	11-009

MONTH/YEAR (LAST 13 MONTHS)	NUMBER OF CUSTOMERS	GALLONS SOLD (Thousands)	GALLONS PUMPED	GALLONS PURCHASED
April-08	22,972	323,680	406,466	0
March-08	22,907	263,865	394,423	0
February-08	22,862	256,712	267,192	0
January-08	22,854	266,386	293,497	0
December-07	22,884	331,848	285,491	0
November-07	23,032	409,916	393,179	0
October-07	22,912	370,029	454,014	0
September-07	22,956	475,831	415,045	0
August-07	22,852	433,435	466,388	0
July-07	22,856	488,775	555,775	0
June-07	22,719	472,168	481,214	0
May-07	22,584	358,741	442,537	0
April-07	22,394	341,036	380,191	0

STORAGE TANK CAPACITY (Gallons)	NUMBER OF EACH	RESOURCES WELL I.D. NUMBER	WELL PRODUCTION (Gallons per Minute)
Burgess Peak 2,000,000	1	D(6-6)9bbd - Casa Grande #9	1,000
Casa Grande Mtn 5,000,000	1	D(6-6)21bbc - Casa Grande #10	1,040
Cottonwood 1,000,000	1	D(6-6)23cbb - Casa Grande #19	1,560
Golf Course 115,000	1	D(6-6)22ddd - Singh/Quaid #22	1,000
Indian Hills 100,000	1	D(6-6)22bda - Casa Grande #25	1,320
North Park 650,000	1	D(6-6)21bbb - Cottonwood Lane #14	250
North Park 35,000	1	D(6-6)22bad - Casa Grande #20	1,110
Scott Drive 110,000	1	D(6-6)22baa - Casa Grande #23	1,550
Scott Drive 5,000,000	1	D(6-6)15cdd - Casa Grande #26	1,400
Tierra Grande #1 10,000	1	D(7-6)35ddd - AZ City/Battaglia #28	1,620
Tierra Grande #1 250,000	1	D(6-6)15ccb - Casa Grande #17	850
		D(6-6)22cdc - Casa Grande #21	740
		D(6-6)22cdd - Casa Grande #24	950
		D(6-7)5baa - Lake-in-the-Desert #27	550
		D(6-6)25dcd - Casa Grande #29	1,380
		D(6-6)22ddd Casa Grande #30	1,000
		D(6-6)15cad - Casa Grande #31	1,500
		D(8-6)1ddb - Del Rio #34	1,500

Other Water Sources in Gallons per Minute (Non-Potable CAP Water) _____ →	GPM 1583
Fire Hydrants on System _____ →	YES NO
Total Water Pumped Last 13 Months (Gallons in Thousands) _____ →	5,235,412

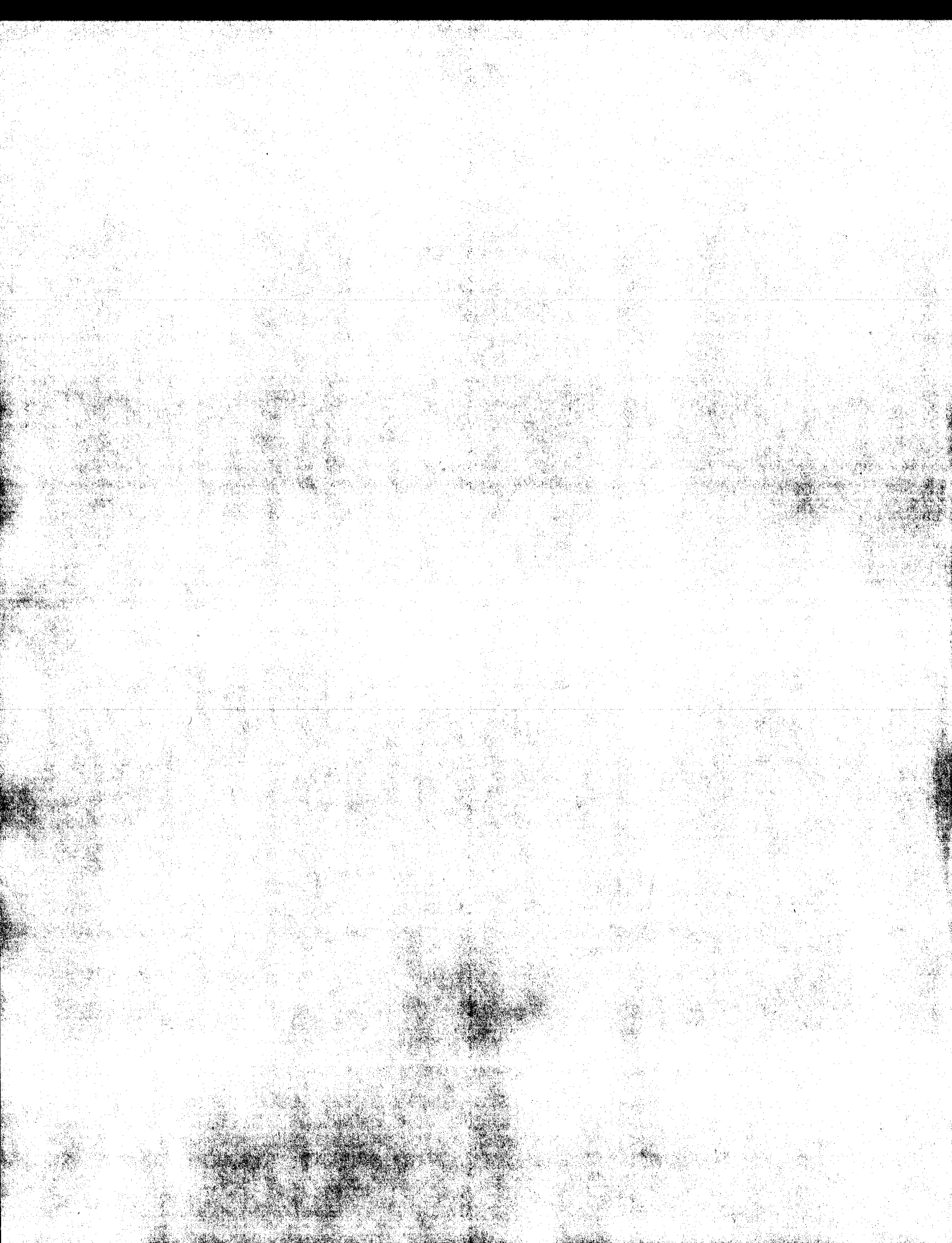


EXHIBIT 11

Arizona Department of Environmental Quality
 Drinking Water Monitoring and Protection Unit
 Mail Code 5415B-2
 1110 West Washington Street
 Phoenix, AZ 85007

Drinking Water Compliance Status Report

System Name	System Type		Is system consecutive?	
AZ WATER CO - CASA GRANDE	X	Community		Yes,
System ID #		Non-transient Non-community		to PWS #
11009		Transient Non-community	X	No

Overall compliance status	X	No major deficiencies	Major deficiencies
Monitoring and Reporting status	X	No major deficiencies	Major deficiencies
Comments: None			

Operation and Maintenance status	X	No major deficiencies	Major deficiencies
Date of last Sanitary Survey	8/15/07	Inspector	Karen Berry, CRO
Major unresolved/ongoing operation and maintenance deficiencies:			
<input type="checkbox"/> unable to maintain 20psi		<input type="checkbox"/> inadequate storage	
<input type="checkbox"/> cross connection/backflow problems		<input type="checkbox"/> surface water treatment rule	
<input type="checkbox"/> treatment deficiencies		<input type="checkbox"/> approval to construct/of construction	
<input type="checkbox"/> certified operator		<input type="checkbox"/> other	
Comments: None			

Is an ADEQ administrative order in effect?		Yes	X	No
Comments: None.				

System Information			
Population Served	70,039		
Service Connections	22,173		
Number of Entry Points to the Distribution System	5		
Number of Sources	14		
Initial Monitoring Year	1993		
Monitoring Assistance Program (MAP) System	Yes	X	No

Evaluation completed by	Donna Calderon, Manager Drinking Water Monitoring and Protection Unit		
Phone	602-771-4641	Date	June 27, 2008
X	Based upon data submitted by the water system, ADEQ has determined that this system is currently delivering water that meets water quality standards required by Arizona Administrative Code, Title 18, Chapter 4.		
	Based upon the monitoring and reporting deficiencies noted above, ADEQ cannot determine if this system is currently delivering water that meets water quality standards required by Arizona Administrative Code, Title 18, Chapter 4.		
	Based upon the operation and maintenance deficiencies noted above, ADEQ cannot determine if this system is currently delivering water that meets water quality standards required by Arizona Administrative Code, Title 18, Chapter 4.		

This compliance status report does not guarantee the water quality for this system in the future, and does not reflect the status of any other water system owned by this utility company.

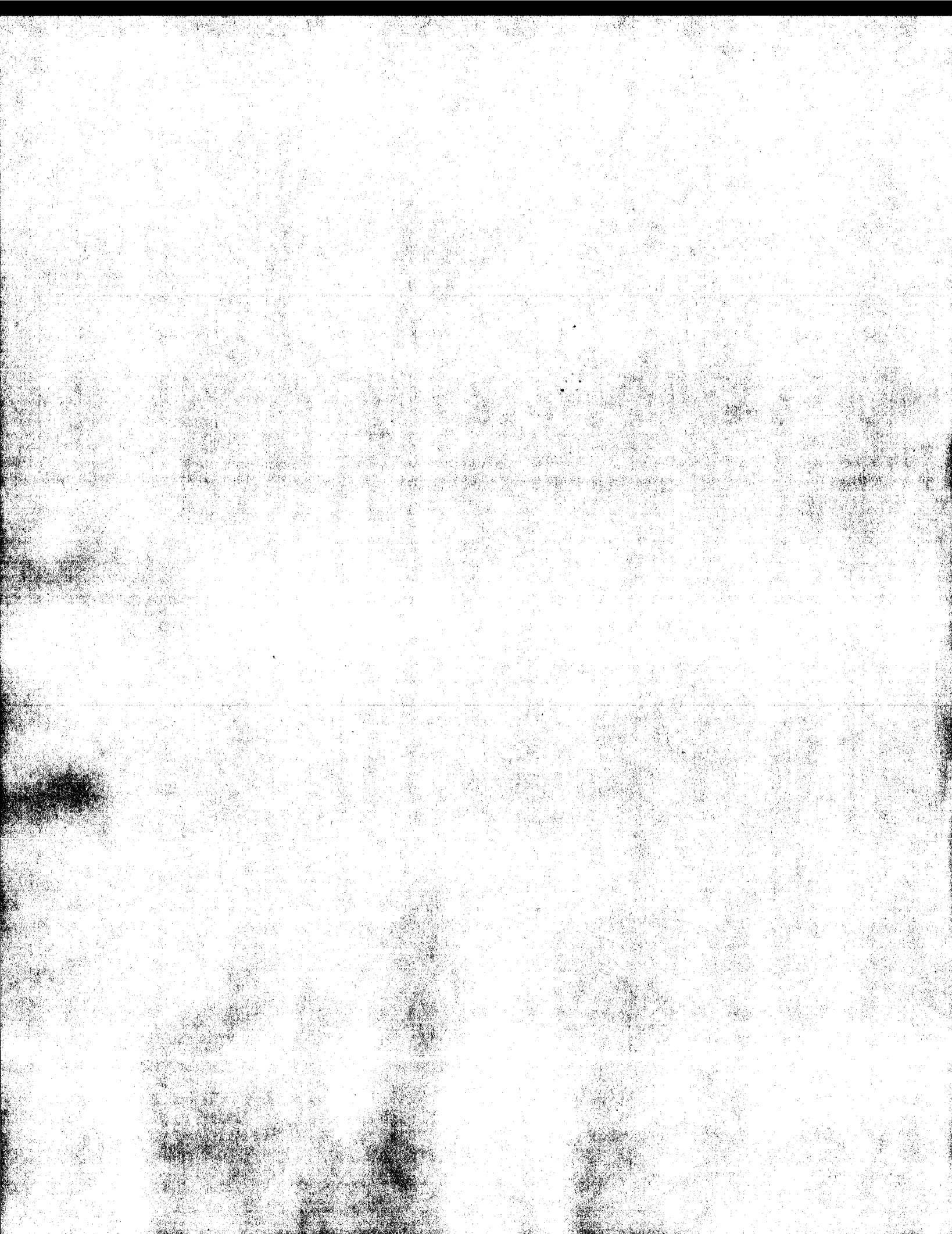


EXHIBIT 12
ORIGINAL

WATER RATES

ARIZONA WATER COMPANY		A.C.C. No.	486
Phoenix, Arizona		Cancelling A.C.C. No.	476
Filed by:	William M. Garfield	Tariff or Schedule No.	WG-103
Title:	President	Filed:	March 14, 2008
Date of Original Filing:	4-1-55	Effective:	For all service rendered on or after March 10, 2008
System:	CASA GRANDE		

GENERAL SERVICE

AVAILABILITY: In Casa Grande and environs at all points where facilities of adequate capacity and pressure are adjacent to the premises served.

APPLICATION: To all water service required when such service is supplied at one premise through one point of delivery and measured through one meter. Not applicable to temporary, standby, supplementary or resale service.

Meter Size	Commodity Rate Per 100 Gallons Consumed									
	Monthly Minimum	0-3,000 Gallons	3,001-10,000 Gallons	10,001-67,000 Gallons	67,001-296,000 Gallons	296,001-552,000 Gallons	552,001-1,195,000 Gallons	1,195,001-2,160,000 Gallons	2,160,001-7,292,000 Gallons	Over 7,292,000 Gallons
5/8" x 3/4"	\$ 10.48	\$.10000	\$.14869	\$.16500	\$.16500	\$.16500	\$.16500	\$.16500	\$.16500	\$.16500
1"	\$ 25.20	\$.14869	\$.14869	\$.14869	\$.16500	\$.16500	\$.16500	\$.16500	\$.16500	\$.16500
2"	\$ 63.10	\$.14869	\$.14869	\$.14869	\$.14869	\$.16500	\$.16500	\$.16500	\$.16500	\$.16500
3"	\$ 105.15	\$.14869	\$.14869	\$.14869	\$.14869	\$.14869	\$.16500	\$.16500	\$.16500	\$.16500
4"	\$ 210.25	\$.14869	\$.14869	\$.14869	\$.14869	\$.14869	\$.14869	\$.16500	\$.16500	\$.16500
6"	\$ 367.90	\$.14869	\$.14869	\$.14869	\$.14869	\$.14869	\$.14869	\$.14869	\$.16500	\$.16500
8"	\$ 367.90	\$.14869	\$.14869	\$.14869	\$.14869	\$.14869	\$.14869	\$.14869	\$.16500	\$.16500
10"	\$ 1,205.20	\$.14869	\$.14869	\$.14869	\$.14869	\$.14869	\$.14869	\$.14869	\$.14869	\$.16500

Arsenic Surcharge*

Meter Size	Minimum Surcharge	Commodity Surcharge
5/8" x 3/4"	\$ 1.89	\$.01558 per 100 gallons
1"	\$ 4.54	\$.01558 per 100 gallons
2"	\$ 11.38	\$.01558 per 100 gallons
3"	\$ 18.96	\$.01558 per 100 gallons
4"	\$ 37.92	\$.01558 per 100 gallons
6"	\$ 66.35	\$.01558 per 100 gallons
8"	\$ 66.35	\$.01558 per 100 gallons
10"	\$ 217.35	\$.01558 per 100 gallons

***Arsenic Surcharge:** USEPA mandate, Code of Federal Regulations Part 141.62.

Adjustment: Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of the gross revenues of the Company and/or the price or revenue from the water or service sold and/or the volume of water pumped or purchased for sale and/or sold hereunder and any tax or similar assessment based on the withdrawal, delivery or use of water. In the event of any increase or decrease in taxes or other governmental impositions, rates shall be adjusted to reflect such increase or decrease.

SPECIAL PROVISIONS: Subject to the Company's Tariff Schedule SC-265.

TERMS AND CONDITIONS: Subject to the Company's Tariff Schedule TC-243.

APPROVED FOR FILING

DECISION #: 70192

EXHIBIT 13



July 15, 2008

William M. Garfield, President
Arizona Water Company
P.O. Box 29006
Phoenix, Arizona 85038

Re: Arizona Corporation Commission Docket No. W-01445A-06-0199 (Consolidated)

Dear Mr. Garfield:

The May 15, 2008 Settlement Agreement (the "Agreement") between Arizona Water Company (the "Company") and Global Water Resources, LLC, and certain subsidiaries and affiliates ("Global") provides for Global and the Company to support certain Arizona Corporation Commission actions in the consolidated docket referred to above.

Therefore, this letter serves as Global's:

1. Support of the Commission's approval of the Company's Amended Planning Area and amended CCN Application, as defined and provided in the Agreement, and as contained in the Company's amended CCN Application as filed, or to be amended and filed, in Docket No. W-01445A-06-0199 (Consolidated).
2. Withdrawal of its objections to the Company's amended CCN Application referenced in 1, above.

Please do not hesitate to contact me should you or your staff have questions regarding the Settlement or require further information.

Sincerely,



Trevor T. Hill
President & CEO

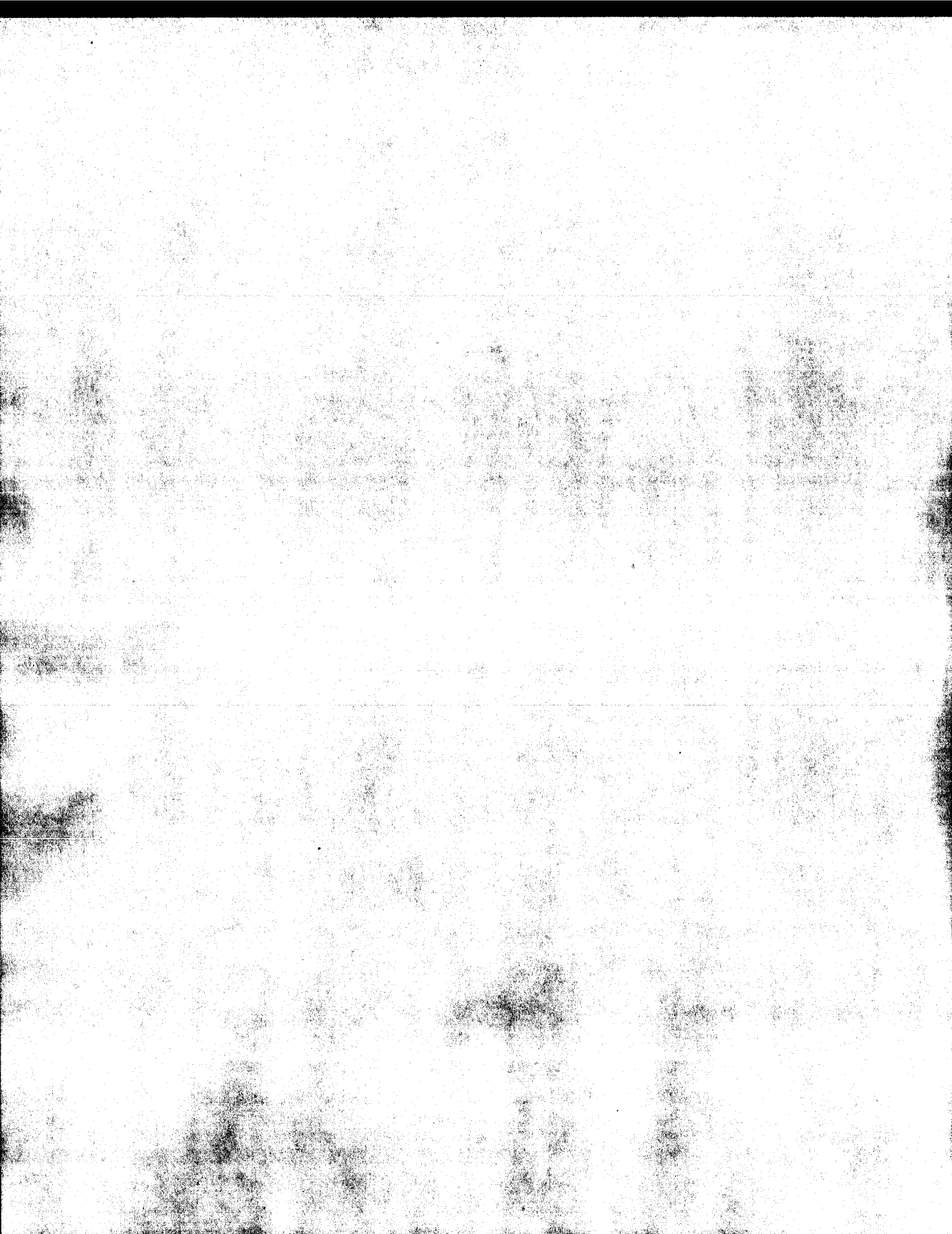
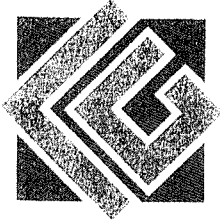


EXHIBIT 14



City of
Casa Grande

June 23, 2008

Chairman Mike Gleason
Arizona Corporation Commission
1200 West Washington Street
Phoenix, AZ 85007

RE: Docket Nos. W-01445A-06-0199; W-03576A-05-0926; and SW-03575A-05-0926: Arizona Water Company, Global Water-Santa Cruz Water Company and Global Water-Palo Verde Utilities Company; Docket No. W-01445A-04-0743: Application for CCN Extension – CMR/Casa Grande, LLC

Dear Chairman Gleason:

The City of Casa Grande (the "City") is pleased that Arizona Water Company and Global Water Resources, LLC have reached an agreement resolving water service and planning issues that affect areas in and near the City. The logical boundaries for water service and planning areas they have identified are sensible and deserve the Commission's support and approval.

The City supports the amended applications for Certificates of Convenience and Necessity ("CNN") recently filed with the Arizona Corporation Commission (the "Commission") by Arizona Water Company and Santa Cruz Water Company referred to above. In addition, the City fully supports the planning efforts of Arizona Water Company and Santa Cruz Water Company, including the Planning Areas identified by each of these utilities.

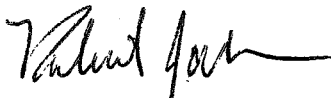
The State of Arizona's "Growing Smarter and Growing Smarter Plus" mandates (Arizona Revised Statute §9-461, et seq.), require the City to prepare and adopt a General Plan to address the City's needs concerning growth and growth management. The Water Resources Element is a key component of the City's General Plan. Clearly, Arizona Water Company and Santa Cruz Water Company, the principal public utility water service providers within the City's planning area (see enclosed City planning map), are in the best position to develop water resource master plans, and to plan for and implement long-range water supply strategies to meet and manage such growth needs.

The City supports the coordinated efforts between Arizona Water company and Global's wastewater company, Palo Verde Utilities Company, to provide for the beneficial use of reclaimed water within Arizona Water Company's Planning Area, as well as similar efforts between Santa Cruz Water Company and Palo Verde Utilities Company, and the City is currently working with Arizona Water Company on the coordinated use of reclaimed water within the City's wastewater service area.

Mike Gleason, Chairman, ACC
RE: Arizona Water Company
June 23, 2008
Page 2

Therefore, the City urges the Commission to approve the amended CCN applications and Planning Areas of Arizona Water Company and Santa Cruz Water Company, and thereby advance the public policy objectives these utilities will achieve by effectively planning and providing for future water needs related to population growth within the City and surrounding areas.

Sincerely,



Bob Jackson
Mayor

JVT:cr

cc: Commissioner Jeff Hatch-Miller, ACC
Commissioner William Mundell, ACC
Commissioner Kristin K. Mayes, ACC
Commissioner Gary Pearce, ACC
Docket Control, ACC
City Council, City of Casa Grande
Jim Thompson, City Manager, City of Casa Grande
Kevin Louis, Public Works Director, City of Casa Grande

Attachment

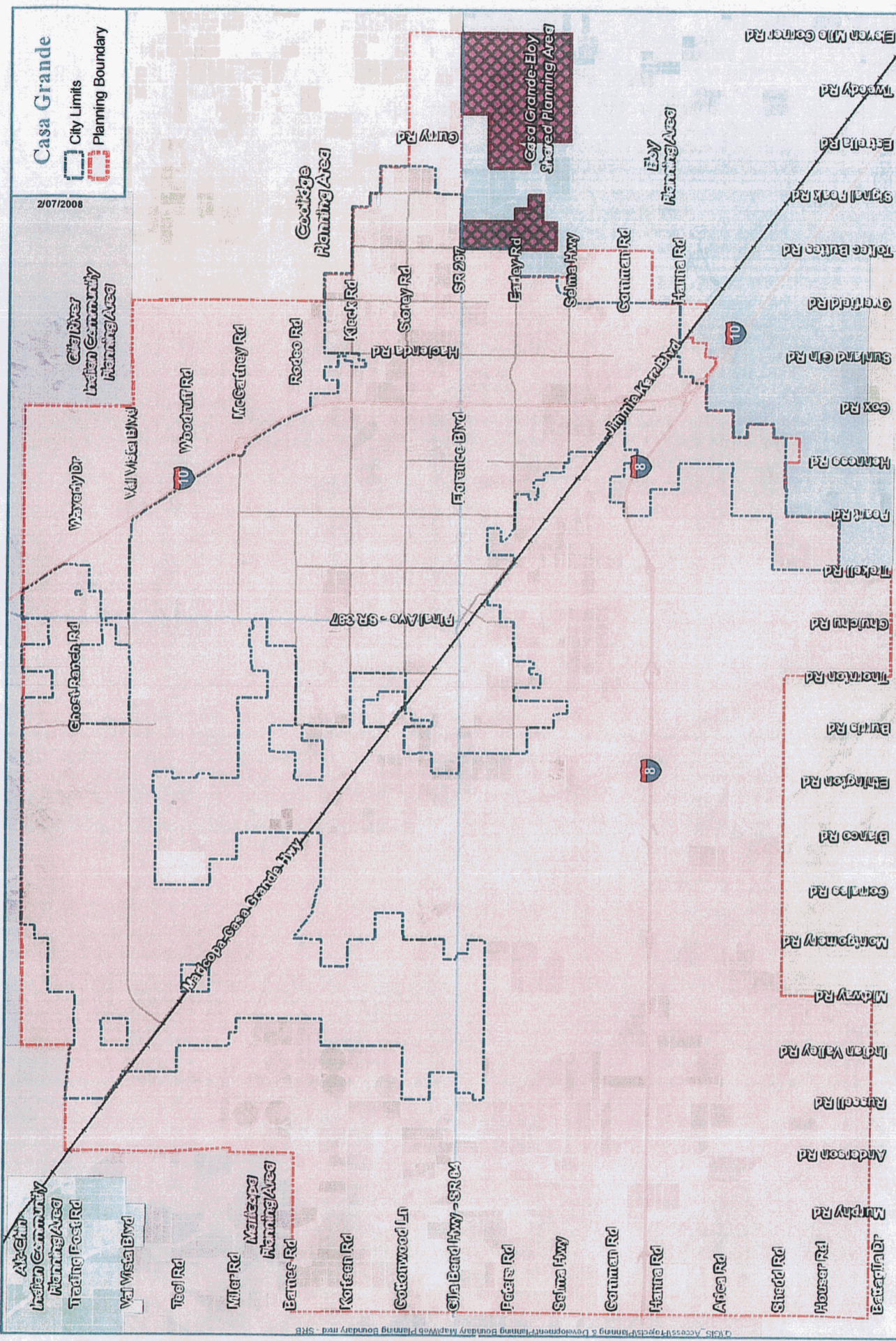


GIS

Casa Grande Planning Boundary



Disclaimer: Information shown is derived from public records that are constantly changing and do not replace a site survey. Data is not guaranteed for content accuracy. The City of Casa Grande does not guarantee the positional or thematic accuracy of this data.



Casa Grande
City Limits
Planning Boundary

2/07/2008

WMIG-3

WMG3

SETTLEMENT AGREEMENT

This Settlement Agreement ("Agreement") is entered into as of May ^{15th}, 2008 between Arizona Water Company and Global Water Resources, LLC and its subsidiaries and affiliates, including but not limited to Global Water Inc., Global Water - Santa Cruz Water Company, Global Water - Palo Verde Utilities Company, Francisco Grande Utility Company, CP Water Company, Global Water - Picacho Cove Water Company and Global Water - Picacho Cove Utilities Company (collectively, "Global" or the "Global Entities"). Arizona Water Company and the Global Entities are referred to as the "Parties."

RECITALS

A. Arizona Water Company and certain of the Global Entities are parties to certain cases pending before the Arizona Corporation Commission ("Commission") that are listed in Exhibit A to this Agreement and incorporated by this reference. Collectively, these cases are referred to as the "Related Proceedings."

B. In the Related Proceedings, one or more of the Parties filed an application for extension of its Certificate of Convenience and Necessity ("CCN"), intervened in and protested one or more of the CCN applications, filed a complaint with the Commission involving one or more of the Parties, sought Commission approval for the transfer of their CCN, or intervened in and protested an application for the transfer of CCNs.

C. The Parties desire to end their disputes and to provide for the resolution of the Related Proceedings on certain terms and conditions that are in the public interest. The Parties' agreement concerning a comprehensive settlement of their disputes in the Related Proceedings has compelling public benefits. It is therefore in the public interest for the Commission to

approve this Agreement, including the planning areas and CCN Applications amended as set forth below, for the following reasons, among others:

(1) Arizona Water Company, Global Water - Santa Cruz Water Company, Francisco Grande Utility Company, CP Water Company, and Global Water - Picacho Cove Water Company (collectively, the "Concurring Water Utilities") have identified and established logical and supportable geographic boundaries between their respective CCNs and planning areas, such as major thoroughfares like Kortsen Road and John Wayne Parkway;

(2) The expanded use of reclaimed water in areas where the CCNs and planning areas of Arizona Water Company and Global Water - Palo Verde Utilities Company overlap (the "Overlap Areas") will reduce reliance on other water sources and on the Central Arizona Groundwater Conservation District;

(3) Two large, regionally significant water providers will set aside their differences and work cooperatively in a manner that will assist in water conservation efforts and prudent, sustainable uses of groundwater and other water resources; and

(4) The Parties, Commission and Commission Staff will be spared the expense and resources necessary to adjudicate the numerous disputed cases between the Parties.

D. A central premise and material consideration of the Parties' settlement of the Related Proceedings is their agreement about the urgent need for the Concurring Water Utilities to undertake and continue their long-term master planning process. The Parties' planning areas lie within an Active Management Area that has limited access to surface water with projected continued record growth. The resulting demands on water resources require the Concurring

Water Utilities to engage in long-term water resource and service planning to assure that current and future customers continue to receive reliable water service. That process requires the Concurring Water Utilities to plan, design, construct, finance, and operate water supply, treatment, storage, and transmission and distribution infrastructure to meet the public water supply requirements within defined geographic areas which include their existing CCNs and in their respective CCN extensions and planning areas as provided for in this Agreement.

NOW, THEREFORE, in consideration of the mutual promises, obligations, representations and covenants contained in this Agreement, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

AGREEMENT

1. Compromise of Dispute. The Parties acknowledge, represent and warrant the truth, accuracy and correctness of the foregoing recitals. The Parties each agree that this Agreement is a compromise of disputed claims, and that fully implementing this Agreement will advance important public policies favoring orderly and efficient regional planning, development, and management of water supplies.

2. Planning Area Boundary Settlement. As part of a comprehensive settlement of their disputes in the Related Proceedings, the Parties have reached agreement on the logical and supportable geographic boundaries between the Concurring Water Utilities' respective planning areas. Arizona Water Company shall amend its Pinal Valley Water System Planning Area and Global shall amend its planning areas (collectively the "Planning Areas") as set forth on the Settlement Map dated April 18, 2008 which is attached as Exhibit B to this Agreement and incorporated by this reference (the "Settlement Map").

3. Amendments to CCN Applications.

a. Arizona Water Company shall amend its CCN application in Docket W-01445A-06-0199 to exclude from its application the area shown on the Settlement Map as Arizona Water Company CCN Application Deletion Area.

b. Arizona Water Company shall amend its Planning Area and amend its CCN application in Docket W-01445A-06-0199 to include the area west to John Wayne Parkway, as shown on the Settlement Map as Arizona Water Company Addition to CCN Application Area.

c. Global Water - Santa Cruz Water Company shall amend its CCN application in Docket W-03576A-05-0926 to exclude the areas shown on the Settlement Map as Santa Cruz Water Company CCN Application Deletion Areas.

d. Global Water - Santa Cruz Water Company shall include within its Planning Area those areas shown on the Settlement Map as Arizona Water Company CCN Application Deletion Area which are not presently included in Global Water - Santa Cruz Water Company's CCN application in Docket W-03576A-05-0926.

e. The Concurring Water Utilities shall jointly apply for and support the Commission's approval of the Parties' Planning Areas and CCN applications as amended in accordance with the Settlement Map (the "Amended Planning Areas and CCN Applications").

4. Procedures to Enforce Settlement.

a. The Parties shall prepare and file a joint, stipulated motion identifying and jointly supporting and requesting Commission approval of the Amended Planning Areas and CCN Applications in accordance with the Commission's procedures.

b. Global shall withdraw its objections to Arizona Water Company's CCN application in Docket W-01445A-06-0199 et seq., as amended.

c. Arizona Water Company shall withdraw its objection to Global's application for approval of the transfer to Global Water - Santa Cruz Water Company and Global Water - Palo Verde Utilities Company of the CCNs of Francisco Grande Utility Company and CP Water Company.

d. Arizona Water Company shall withdraw its objections to Global Water - Santa Cruz Water Company's CCN application in Docket W-03576A-05-0926, as amended.

e. Arizona Water Company shall withdraw its objection to Global Water - Palo Verde Utilities Company's applications for wastewater CCNs in Arizona Water Company's existing CCN or its amended CCN application.

f. The Concurring Water Utilities shall jointly request and actively support Commission approval of Arizona Water Company's CCN application in Docket No. W-01445A-04-0743.

g. Following the Commission's approval of the Amended Planning Areas and CCN Applications, Arizona Water Company and Global shall jointly request the Commission to dismiss Arizona Water Company's complaint against Global, without prejudice, in accordance with the terms of this Agreement.

5. Condition of Commission Approval of Amended Planning Areas and CCN Applications; Contingencies. The terms and conditions of this Agreement are expressly subject to, among other things, the condition that the Commission approve the Amended Planning Areas

and CCN Applications. Any Party may withdraw from this Agreement and terminate any of the agreements and understandings contained herein if the Commission: (i) does not approve the Amended Planning Areas and CCN Applications; (ii) does not dismiss the complaint case as contemplated in this Agreement; or (iii) imposes conditions or restrictions in any order which any Party determines to be materially burdensome or unacceptable. If the Commission's decision or decisions in the Related Proceedings causes a Party to invoke one of the foregoing contingencies, the Parties agree to jointly apply for rehearing and, if one of the Parties deems it appropriate, support an appeal of the Commission's decision or decisions in a court of competent jurisdiction. The Parties shall communicate the substance of this provision to the Commission so that the Commission understands that the settlement is subject to the foregoing contingencies, and the joint motion to the Commission to approve the Concurring Water Utilities' Amended Planning Areas and CCN Applications shall include language providing that if the Commission fails to issue an order adopting all material terms of this Agreement, any or all of the Parties may withdraw from this Agreement.

6. Agreement Not To Interfere.

a. The Parties shall respect and not interfere with each other's existing CCNs or CCNs to be approved in the Related Proceedings as set forth on the Settlement Map.

b. The Parties shall respect and not interfere with each other's Planning Areas as set forth on the Settlement Map in the same fashion and to the same extent as they shall respect and not interfere with each other's CCNs.

c. The Parties' respect and non-interference with each other's CCNs and Planning Areas means they shall not apply for, or encourage others to apply for, water CCNs in the other

Parties' CCNs or Planning Areas. The Parties shall not directly or indirectly solicit or encourage any person, entity, landowner, or developer to request water service from any entity other than the Concurring Water Utility in whose CCN or Planning Area such water service is requested.

7. Agreement to Cooperate.

a. Global, including without limitation its subsidiary Global Water - Palo Verde Utilities Company, shall enter into an agreement with Arizona Water Company to supply available reclaimed water to Arizona Water Company, if requested, to be sold and delivered by Arizona Water Company within its CCN and Planning Area. In order to ensure that maximum efficiencies can be attained by Arizona Water Company in its deployment of potable and reclaimed water, neither Global nor Global Water - Palo Verde Utilities Company shall sell or distribute reclaimed water within Arizona Water Company's CCN or Planning Area except to Arizona Water Company, which shall be the retail provider of reclaimed water in such areas. Global Water - Palo Verde Utilities Company shall not be obligated to sell reclaimed water to Arizona Water Company in any amount in excess of the amount of reclaimed water generated in the Overlap Areas.

b. Global and Arizona Water Company shall work cooperatively in connection with Global's efforts to provide wastewater service within the western part of Arizona Water Company's CCN and Planning Area in places where the City of Casa Grande or other entity is not planning to provide wastewater service.

8. Operations in the Overlap Areas. The Managers of Arizona Water Company's Casa Grande Division and Global Water - Palo Verde Utilities Company shall meet as required to exchange information and coordinate the provision of service in the Overlap Areas.

9. Resolution of Complaint. Arizona Water Company shall withdraw the Complaint against the Global Entities as follows:

a. Following the Commission's approval of the Amended Planning Areas and CCN Applications, the Parties shall jointly request the Commission to dismiss the Complaint without prejudice.

b. The Parties agree that such disposition of the Complaint shall not be deemed to be an admission of liability, responsibility, or wrongdoing by Global nor an admission, acknowledgment, acceptance, or approval by Arizona Water Company of any of Global's activities or practices.

c. Arizona Water Company agrees not to raise or pursue allegations such as those asserted in its Complaint against Global as long as Global does not protest, oppose, or interfere with any CCN or prospective CCN of Arizona Water Company. Nothing in the foregoing prohibits either Party from filing competing CCN applications or raising or pursuing such allegations or arguments as they deem appropriate in areas outside of those set forth in the Settlement Map.

10. Fees and Costs. The Parties agree that each Party shall bear its own attorney fees, costs, expert witness fees, and other litigation expenses for each of the Related Proceedings and this Agreement. In the event a dispute arises between the Parties to enforce the terms of this Agreement, the successful or prevailing Party to such dispute shall be entitled to an award of its reasonable attorneys' fees, costs and expenses, whether or not an action is filed.

11. Advice and Assistance of Counsel. Each Party represents and warrants that the terms of this Agreement have been completely read, fully understood and voluntarily accepted, with advice of counsel, and that each of the Parties has participated in its preparation.

12. Entire Agreement. This Agreement shall constitute the entire agreement between the Parties with respect to its subject matter, and supersedes any prior verbal or written agreement. No modification of this Agreement shall be binding upon any Party unless it is in writing and executed by duly authorized representatives of the Parties.

13. Parties Affected by Agreement. The terms and conditions, representations and covenants of this Agreement shall be binding upon and inure to the benefit of the Parties and their respective successors, personal representatives, heirs and assigns.

14. Time of the Essence. Time is of the essence and each Party shall diligently perform its obligations hereunder in a timely fashion in accordance with the provisions of this Agreement.

15. Governing Law. This Agreement shall be governed by and construed according to the laws of the State of Arizona.

16. Additional Acts. The Parties agree to cooperate fully to take all additional actions that may be necessary or appropriate to give full force and effect to the terms and intent of this Agreement.

17. Counterparts. This Agreement may be executed in any number of counterparts. Each such counterpart shall be deemed to be an original instrument, but all such counterparts together shall constitute one agreement.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the day and
year first written above.

Arizona Water Company

William M. Garfield
By: **WILLIAM M. GARFIELD**
Its: **President**
Global Water Resources, LLC

By:
Its:

Global Water Inc.

By:
Its:

Global Water – Santa Cruz Water Company

By:
Its:

Global Water – Palo Verde Utilities Company

By:
Its:

Francisco Grande Utility Company

By:
Its:

IN WITNESS WHEREOF, the parties have executed this Agreement as of the day and
year first written above.

Arizona Water Company

By:
Its:

Global Water Resources, LLC



By: Trevor T. Hill
Its: President

Global Water Inc.



By: Trevor T. Hill
Its: President

Global Water – Santa Cruz Water Company



By: Trevor T. Hill
Its: President

Global Water – Palo Verde Utilities Company



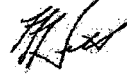
By: Trevor T. Hill
Its: President

Francisco Grande Utility Company



By: Trevor T. Hill
Its: President

CP Water Company



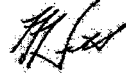
By: Trevor T. Hill
Its: President

Global Water - Picacho Cove Water Company



By: Trevor T. Hill
Its: President

Global Water - Picacho Cove Utilities Company

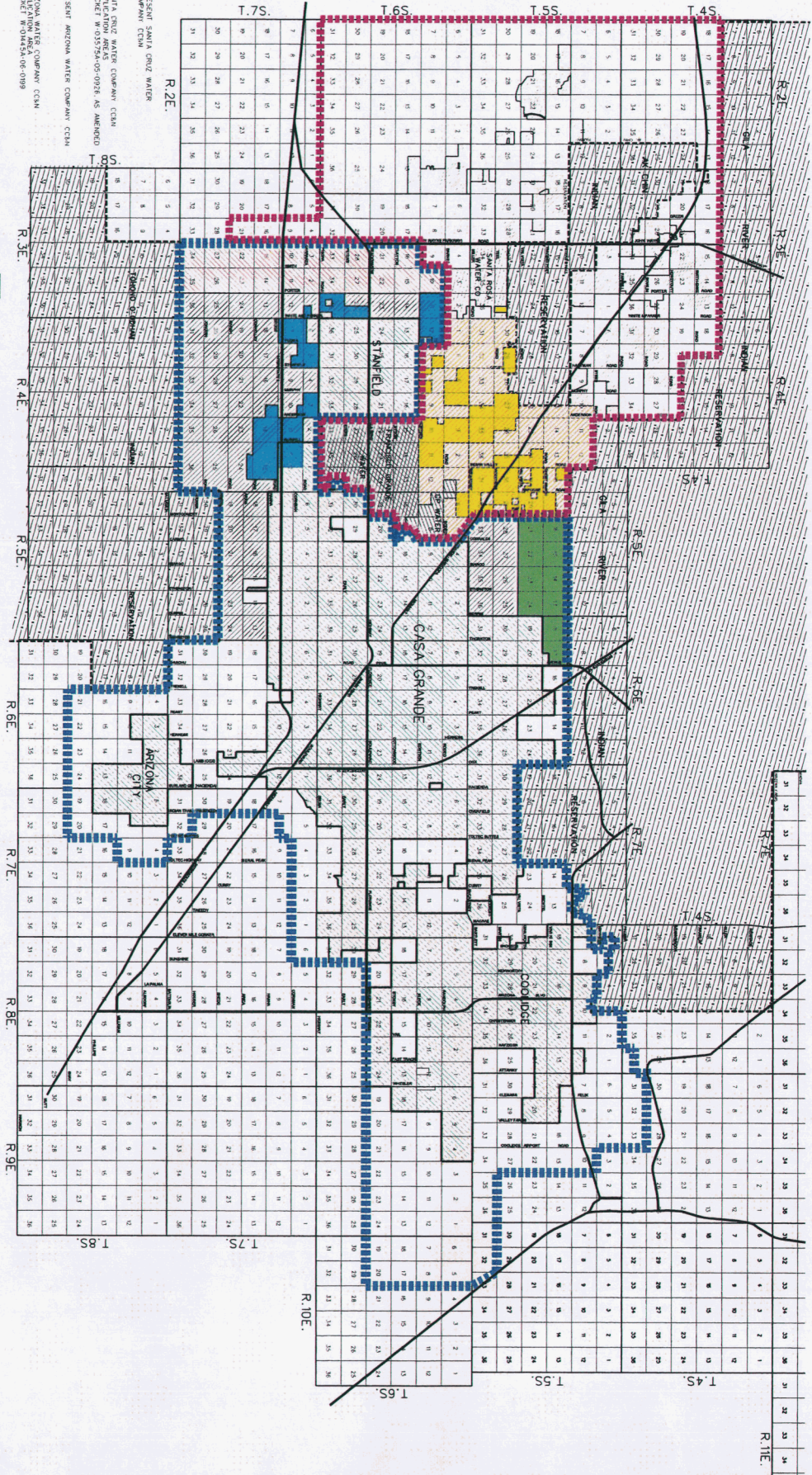


By: Trevor T. Hill
Its: President

Exhibit "A"

Related Proceedings

Docket Number	Applicant or Complainant	Description
W-1445A-04-0743	Arizona Water Company	Extension of water CCN
SW-03575A-05-0926	Global Water - Palo Verde Utility Company	Extension of wastewater CCN
W-03576A-05-0926	Global Water - Santa Cruz Water Company	Extension of water CCN
W-01445A-06-0199	Arizona Water Company	Extension of water CCN
W-01445A-06-0200 et al	Arizona Water Company	Complaint by Arizona Water Company
SW-03575A-07-0300	Global Water - Palo Verde Utilities Company	Extension of wastewater CCN (for Legends development)
W-03576A-07-0300	Global Water - Santa Cruz Water Company	Extension of water CCN (for Legends development)
WS-01775A-07-0485 SW-03575A-07-0485 W-02442A-07-0485 W-03576A-07-0485	Francisco Grande Utility Company; CP Water Company; Global Water - Santa Cruz Water Company; Global Water - Palo Verde Utilities Company	Transfer of CCNs from Francisco Grande Utility Company and CP Water Co.



- PRESENT SANTA CRUZ WATER COMPANY CDM
- SANTA CRUZ WATER COMPANY CDM DOCKET # 035754-05-0926 AS AMENDED
- PRESENT ARIZONA WATER COMPANY CDM
- ARIZONA WATER COMPANY CDM APPLICATION AREAS DOCKET # 04454-05-0999
- NEWM RESERVATION
- ARIZONA WATER COMPANY REVISED PIMA VALLEY WATER SYSTEM PLANNING AREA BOUNDARY AS AMENDED
- OTHER WATER PLANNING AREAS AS AMENDED

- ARIZONA WATER COMPANY ADDITION TO CDM DOCKET # 04454-05-0999
- ARIZONA WATER COMPANY CDM DOCKET # 04454-04-0743
- ARIZONA WATER COMPANY CDM DOCKET # 04454-05-0999
- SANTA CRUZ WATER COMPANY CDM APPLICATION DELETION AREAS DOCKET # 035754-05-0926

FOR SETTLEMENT PURPOSES ONLY



ARIZONA WATER COMPANY
EXHIBIT B

April 18, 2008

ORIGINAL

COMMISSIONERS

1 **Mike Gleason, Chairman**
2 **William A. Mundell**
3 **Jeff Hatch-Miller**
4 **Kristin K. Mayes**
5 **Gary Pierce**

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MAY 15 10 10 AM
AZ CORPORATION COMMISSION
DOCKET CONTROL

Arizona Corporation Commission
DOCKETED
MAY 16 2008

DOCKETED BY *NR*

BEFORE THE ARIZONA CORPORATION COMMISSION

9 ARIZONA WATER COMPANY, an Arizona
10 corporation,

11 Complainant,

12 vs.

13
14 GLOBAL WATER RESOURCES, LLC, a
15 foreign limited liability company; GLOBAL
16 WATER RESOURCES, INC., a Delaware
17 corporation; GLOBAL WATER
18 MANAGEMENT, LLC, a foreign limited
19 liability company; SANTA CRUZ WATER
20 COMPANY, LLC, an Arizona limited liability
21 corporation; PALO VERDE UTILITIES
22 COMPANY, LLC, an Arizona limited liability
23 corporation; GLOBAL WATER - SANTA
24 CRUZ WATER COMPANY, an Arizona
25 corporation; GLOBAL WATER - PALO
26 VERDE UTILITIES COMPANY, an Arizona
27 corporation; JOHN AND JANE DOES 1-20;
28 ABC ENTITIES I - XX,

Respondents.

DOCKET NOS.

- W-01445A-06-0200
- SW-20445A-06-0200
- W-20446A-06-0200
- W-03576A-06-0200
- SW-03575A-06-0200

**NOTICE OF STATUS OF PARTIES'
SETTLEMENT DISCUSSIONS AND
REQUEST FOR SCHEDULING
CONFERENCE**

Pursuant to the procedural order dated May 1, 2008, Arizona Water Company and Respondents, by and through undersigned counsel, submit this report on the status of their settlement discussions.

Bryan Cave LLP
Two North Central Avenue, Suite 2200
Phoenix, Arizona 85004-4406
(602) 364-7000


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The parties have negotiated and entered into a comprehensive Settlement Agreement intended to resolve the pending issues in this and related dockets. A copy of the executed Settlement Agreement is attached and docketed with this Notice.

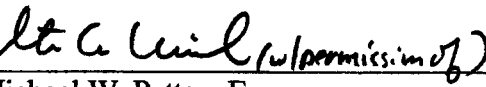
The Settlement Agreement calls for the parties to jointly seek Commission approval of amended CCN applications and Planning Areas, and related filings, in this and the related dockets. To enable the parties to brief the Commission and to coordinate the necessary scheduling, Arizona Water Company and Respondents hereby request that ALJ Nodes set a Scheduling Conference at his earliest opportunity, where the sequence of events leading to the resolution of all pending issues can be discussed and appropriate orders can be entered.

DATED this 16th day of May, 2008.

BRYAN CAVE LLP

By 
Steven A. Hirsch, #006360
Rodney W. Ott, #016686
Two N. Central Avenue, Suite 2200
Phoenix, AZ 85004-4406
Attorneys for Arizona Water Company

ROSHKA DEWULF & PATTEN, PLC

By  (w/permissions of)
Michael W. Patten, Esq.
Timothy J. Sabo, Esq.
One Arizona Center
400 E. Van Buren St., Suite 800
Phoenix, AZ 85004
Attorneys for Respondents

Bryan Cave LLP
Two North Central Avenue, Suite 2200
Phoenix, Arizona 85004-4406
(602) 364-7000

Bryan Cave LLP
Two North Central Avenue, Suite 2200
Phoenix, Arizona 85004-4406
(602) 364-7000

1 **ORIGINAL and 13 COPIES** of the foregoing
2 filed this 16th day of May, 2008 with:

3 Docket Control Division
4 Arizona Corporation Commission
5 1200 W. Washington
6 Phoenix, AZ 85007

7 **COPY** of the foregoing hand-delivered
8 this 16th day of May, 2008 to:

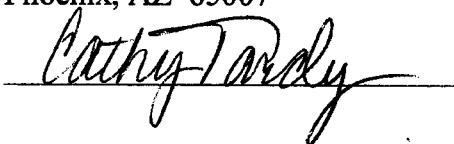
9 Dwight D. Nodes
10 Administrative Law Judge
11 Hearing Division
12 Arizona Corporation Commission
13 1200 W. Washington
14 Phoenix, AZ 85007

15 Maureen A. Scott
16 Robin R. Mitchell
17 Legal Division
18 Arizona Corporation Commission
19 1200 W. Washington
20 Phoenix, AZ 85007

21 Ernest G. Johnson
22 Director, Utilities Division
23 Arizona Corporation Commission
24 1200 W. Washington
25 Phoenix, AZ 85007

26 Steve Olea
27 Arizona Corporation Commission
28 1200 W. Washington
Phoenix, AZ 85007

Bob Gray
Arizona Corporation Commission
1200 W. Washington
Phoenix, AZ 85007



WMIG-4

WMG4

ORIGINAL

1 ARIZONA WATER COMPANY
 2 Robert W. Geake (No. 009695)
 3 Vice President and General Counsel
 4 3805 Black Canyon Highway
 5 Phoenix, AZ 85015-5351
 6 Telephone: (602) 240-6860

7 FENNEMORE CRAIG
 8 A Professional Corporation
 9 Norman D. James (No. 006901)
 10 Jay L. Shapiro (No. 014650)
 11 3003 North Central Avenue
 12 Suite 2600
 13 Phoenix, AZ 85012-2913
 14 Telephone: (602) 916-5000

15 Attorneys for Arizona Water Company

16 BEFORE THE ARIZONA CORPORATION COMMISSION

17 IN THE MATTER OF THE APPLICATION)
 18 OF ARIZONA WATER COMPANY, AN)
 19 ARIZONA CORPORATION, FOR)
 20 ADJUSTMENTS TO ITS RATES AND)
 21 CHARGES FOR UTILITY SERVICE)
 22 FURNISHED BY ITS WESTERN GROUP)
 23 AND FOR CERTAIN RELATED)
 24 APPROVALS)

DOCKET NO. W-01445A-04-0650

CERTIFICATE OF FILING
CAP WATER USE PLAN


25 Decision No. 68302 of the Arizona Corporation Commission in the above-
 26 captioned docket provides, among other things, that Arizona Water Company (the
 27 "Company") shall develop and submit for Staff approval a Central Arizona Project Water
 28 Use Plan which is attached hereto as Attachment "A" and incorporated herein by
 reference.

IT IS HEREBY CERTIFIED THAT on the day 29th of December, 2006, Arizona
 Water Company filed with the Arizona Corporation Commission, Docket Control
 Division, at its main office located at 1200 West Washington Street, Phoenix, Arizona,
 an original and thirteen (13) copies of a Central Arizona Project Water Use Plan.

57

Arizona Corporation Commission
DOCKETED

DEC 29 2006

DOCKETED BY	
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AT CORP COMMISSION
DOCUMENT CONTROL

2006 DEC 29 P 12:02

RECEIVED

ORIGINAL

1 RESPECTFULLY SUBMITTED this 29th day of December, 2006.

2

ARIZONA WATER COMPANY

3

4

By: Robert W. Geake

5

Robert W. Geake
Vice President and General Counsel
Arizona Water Company
P. O. Box 29006
Phoenix, AZ 85038
Attorney for Applicant

6

7

8

9

AN ORIGINAL and thirteen (13) copies of the
foregoing filed this 29th day of December, 2006 with:

10

Docket Control
Arizona Corporation Commission
1200 W. Washington
Phoenix, AZ 85007

11

12

13

And copies of the foregoing,
mailed/delivered this 29th day of December, 2006, to:

14

15

Norman D. James
Jay L. Shapiro
FENNEMORE CRAIG
3003 N. Central Avenue, Suite 2600
Phoenix, AZ 85012
Attorneys for Arizona Water Company

16

17

18

19

A copy of the foregoing was delivered/mailed this 29th day of December, 2006, to:

20

Teena Wolfe, Administrative Law Judge
Hearing Division
Arizona Corporation Commission
1200 West Washington
Phoenix, AZ 85007

21

22

23

24

Mr. Ernest G. Johnson, Director
Utilities Division
Arizona Corporation Commission
1200 West Washington
Phoenix, AZ 85007

25

26

27

28

1 Mr. Christopher Kempley, Chief Counsel
Legal Division
2 Arizona Corporation Commission
1200 West Washington
3 Phoenix, AZ 85007

4 Mr. Daniel Pozefsky, Staff Counsel
5 Residential Utility Consumer Office
1110 W. Washington Street, Suite 200
6 Phoenix, AZ 85007

7 Jeffrey W. Crockett
8 Deborah R. Scott
SNELL & WILMER, LLP
9 One Arizona Center
400 E. Van Buren
10 Phoenix, AZ 85004-2202
Attorneys for Pivotal Group, Inc.

11 Marvin S. Cohen
12 SACKS TIERNEY, P.A.
4230 N. Drinkwater Blvd., 4th Floor
13 Scottsdale, AZ 85251

14 Joan S. Burke
15 OSBORN MALEDON, P.A.
2929 N. Central Avenue, Ste. 2100
16 Phoenix, AZ 85012
Attorneys for the City of Casa Grande

18
19 By: *Robert W. Blake*

20

21

22

23

24

25

26

27

28

ARIZONA WATER COMPANY

3805 N. BLACK CANYON HIGHWAY, PHOENIX, ARIZONA 85015-5351 • P.O. BOX 29006, PHOENIX, ARIZONA 85038-9006
PHONE: (602) 240-6860 • FAX: (602) 240-6878 • WWW.AZWATER.COM

December 29, 2006

Mr. Steve Olea
Assistant Director, Utilities Division
Arizona Corporation Commission
1200 West Washington
Phoenix, AZ 85007-2996

Re: Central Arizona Project Water Use Plan – Docket No. W-01445A-04-0650
ACC Decision No. 68302

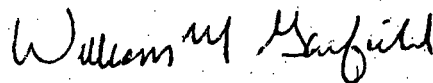
Dear Mr. Olea:

We are submitting for approval the Arizona Water Company ("AWC") Central Arizona Project ("CAP") Water Use Plan as required by Arizona Corporation Commission ("Commission") Decision No. 68302. The CAP Water Use Plan addresses how CAP water will be used within AWC's Pinal Valley water systems and within its White Tank water system; and all of the other issues that Decision directed us to address.

We met with representatives from the cities of Casa Grande and Coolidge ("Cities") on numerous occasions during the preparation of the CAP Water Use Plan and received their input. Specifically we discussed all aspects of the CAP Water Use Plan, including water demand planning projections, planned CAP water treatment facilities, CAP water use integration, the impact on arsenic treatment, and cost projections. The Cities' representatives voiced general support for the CAP Water Use Plan. We will have further meetings with the Cities' representatives concerning the availability of reclaimed water for use by AWC to supplement the existing water supplies of AWC's Pinal Valley Water System.

We would appreciate Staff's prompt review and approval of the CAP Water Use Plan. If you have any questions on the CAP Water Use Plan, please let me know. Thank you.

Very truly yours,

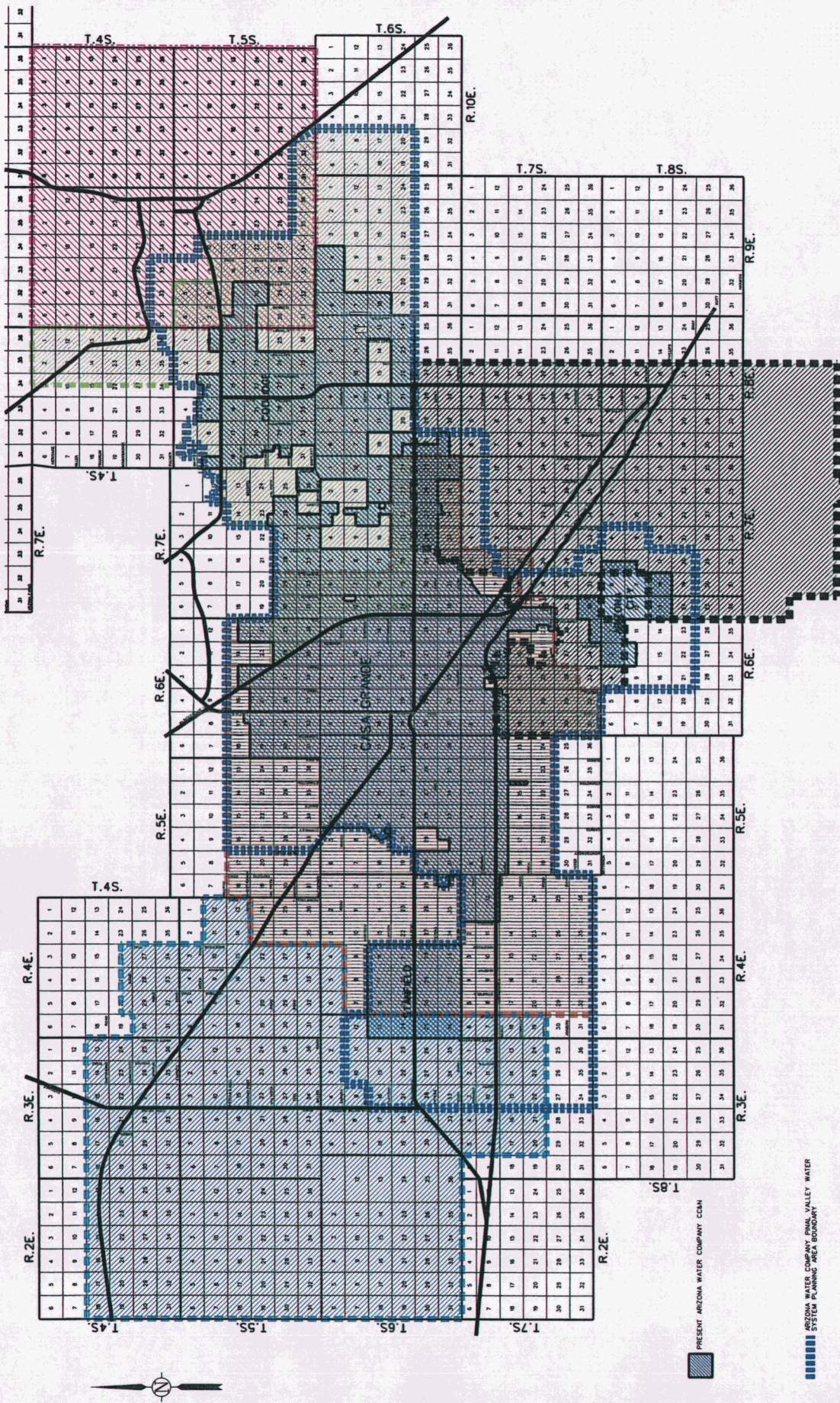


William M. Garfield
President

jrc

E-MAIL: mail@azwater.com

WMIG-5



Arizona Water Company Pinal Valley Water
System Planning Area

PRESENT ARIZONA WATER COMPANY CCM

ARIZONA WATER COMPANY PINAL VALLEY WATER
SYSTEM PLANNING AREA BOUNDARY

WMIG-6

COOPERATIVE SERVICE AGREEMENT

THIS AGREEMENT is made and entered into as of the 18th day of November, 2002 by and between ARIZONA WATER COMPANY, an Arizona corporation, (the "Company"), and Southwest Water Company, a Delaware corporation, ("Southwest").

RECITALS

A. The Company is a public service corporation that owns and operates water systems and provides water service in various cities, towns, and communities located in eight counties in Arizona under and subject to the jurisdiction of the Arizona Corporation Commission (the "Commission").

B. Southwest owns and operates sewer/wastewater treatment facilities and provides sewer/wastewater service in various cities, towns and communities within the U.S. These facilities are operated under and subject to the jurisdiction of various state and local regulatory agencies.

C. The parties are interested in a cooperative arrangement whereby: (1) the Company may invite Southwest to provide all sewer/wastewater service to developments to which the Company intends to provide water service in its existing service areas or in additions to its service areas; and (2) Southwest may invite the Company to provide all water service to developments to which Southwest intends to provide sewer/wastewater service in its existing service areas or in additions to its service areas.

In consideration of the mutual agreements, covenants, promises, representations and understandings contained in this Agreement and other good and valuable consideration, the parties hereto have entered into the following Agreement:

1. Cooperation. The Company and Southwest agree to cooperate as follows:

a. The Company from time to time plans to provide water service to developments within its existing service areas and to additional service areas and may invite Southwest to participate in providing sewer/wastewater service to such developments.

b. Southwest from time to time plans to provide sewer/wastewater service to developments within its existing service areas and to additional service areas and may invite the Company to participate in providing water service to such developments.

c. The parties will notify each other of the invitations to participate in providing service to developments by sending a letter in the form attached as Exhibit A hereto. A party may accept or decline to participate by checking the appropriate box and returning the copy of the letter to the other party within ten (10) days of receipt of the letter.

d. The parties agree to cooperate fully in connection with the planning for their respective services to such developments, including, if necessary, to support each other's efforts to obtain Commission approval for such services and, if necessary, such additional service areas.

2. Covenant not to Compete.

a. The Company will not offer or provide any type of sewer/wastewater service, including, but not limited to, the collection or treatment of wastewater within any of Southwest's service areas or within any area to which Southwest invites the Company to provide water service; and the Company will not solicit or assist any other person or entity to provide sewer/wastewater service in such areas.

b. Southwest will not offer or provide, sell or deliver any type of water service, including, but not limited to, any effluent or reclaimed water service of any type (except wholesale service to the Company) within any of the Company's service areas or within any area which the Company invites Southwest to provide sewer/wastewater service; and Southwest will not solicit or assist any other person or entity to provide water service in such areas.

c. The limitations in paragraphs 2.a. and 2.b., above, shall not apply for any development in which a party has undertaken steps to provide service to such development prior to the date of the invitation to participate.

3. Non-Disclosure.

3.1 a. Each party agrees that it shall not disclose any of the information disclosed, shared, provided by, or obtained from the other party, because any such disclosure will prejudice such other party's ability to successfully conduct its business; and such disclosure will cause irreparable harm. Exceptions to the foregoing include information which:

- at the time of disclosure was readily available to the public;
- becomes readily available to the public, other than through a breach of this Agreement;
- either party can establish was in its possession prior to the date of disclosure of such information; or
- is required to be disclosed in accordance with the order or decree of a court of competent jurisdiction or by applicable law or regulation, provided that both parties agree to give each other adequate advance notice prior to disclosure in order that the affected party may seek a protective order or other appropriate relief.

b. Each party further agrees that the joint or cooperative disclosure of such information in connection with the developments referred to in paragraph 1, above, or with the written consent of the parties, will not violate the terms of this paragraph.

4. Time is of the Essence. The Company and Southwest agree that time is of the essence and that each will diligently perform its obligations hereunder in a timely fashion in accordance with the provisions of this Agreement.

5. Changes or Modifications. The parties hereto may change or modify this Agreement only upon written consent of the parties hereto.

6. Notice Provisions. Written notices to any party to this Agreement concerning this Agreement shall be sent by certified mail or by courier (such as for example by Federal Express), or by hand-delivery addressed as follows:

To the Company:

Arizona Water Company
3805 North Black Canyon Highway
Phoenix, Arizona 85015-5351
Post Office Box 29006
Phoenix, Arizona 85038-9006
Attention: President

To Southwest:

Southwest Water Company
225 North Barranca Avenue
Suite 200
West Covina, California 91791-1605
Attention: Maurice W. Gallarda, P.E.

or to such other address or addresses as either party may designate by written notice to the other party. Notices shall be deemed given, received and effective on the date of delivery, if hand-delivered or delivered by courier, or two business days after deposit in the U.S. Mail, postage prepaid, if sent by certified mail.

7. Execution in Counterparts. This Agreement may be executed in any number of counterparts and each executed counterpart shall have the same force and effect as an original instrument.

8. Succession. This Agreement shall be binding upon and shall inure to the benefit of the successors and assigns of the parties hereto. Any such assignment requires the non-assigning party's prior written approval, which shall not be unreasonably withheld. As a condition precedent to the non-assigning party's approval of any assignment, the assignee must be acceptable to the non-assigning party, and satisfy the non-assigning party of the assignee's ability to fully perform hereunder and the assignee shall assume any further obligations of the

assigning party hereunder and, upon the non-assigning party's written approval the assigning party shall be released from any further obligation hereunder.

9. Complete Agreement. This instrument contains the entire agreement between the parties with respect to the subject matter contained herein and no amendment or modification shall be binding unless made in the manner provided for in writing and signed by duly authorized representatives of the parties hereto.

10. Headings. Headings on each paragraph or subparagraph are merely for convenience and shall under no circumstances be used to interpret or construe this Agreement.

11. Duration. This Agreement shall remain in effect until terminated by the mutual agreement of the parties hereto.

12. Attorney's Fees. In the event any claim, controversy, or legal action arises out of this Agreement, the prevailing party shall be entitled to recover from the other party in such action all costs, expenses and fees incurred therein by said prevailing party (including such attorney's fees as shall be fixed by the court).

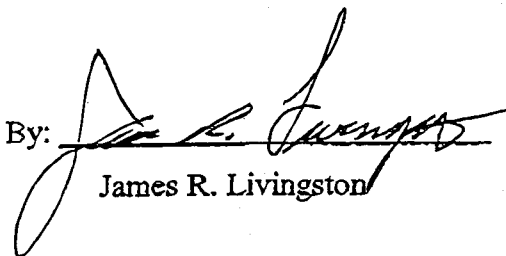
13. Further Instruments. The Company and Southwest agree that they shall execute any further instruments and perform any further acts, which are or may become reasonably necessary to carry out the terms of this Agreement.

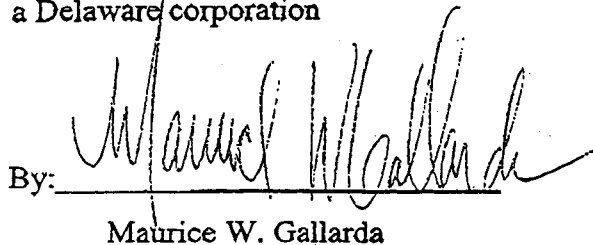
14. Waiver. No waiver hereunder, expressed or implied, shall imply any other waiver, at the same or subsequent time, whether of the same obligation or of any other obligation. No waiver hereunder shall be deemed effective unless expressly set forth in writing.

IN WITNESS WHEREOF, each of the parties hereto has caused this instrument to be executed by their respective officers theretofore duly authorized as of the date first written above.

ARIZONA WATER COMPANY,
an Arizona corporation

SOUTHWEST WATER COMPANY,
a Delaware corporation

By: 
James R. Livingston

By: 
Maurice W. Gallarda

Its: President

Its: Vice President, New Business

EXHIBIT A

[sender's letterhead]

[name and address of recipient]

Subject: Notice of Invitation to Participate
in Providing Service to a Proposed Development

Gentlemen:

In accordance with that certain Cooperative Service Agreement dated _____, 2002, [Arizona Water Company] [_____] by this letter notifies you of its invitation for you to participate in providing [sewer/wastewater service] [water service] to the following proposed development:

[describe development and its location]

Please indicate whether you accept or decline this invitation to participate in the foregoing development by checking the appropriate box below and signing and returning the copy of this letter. If you accept this invitation to participate in the development, we should meet and discuss how best for our two entities to cooperate in providing our respective services to the development. We will also need to discuss our plans with the developer. If you accept the invitation, we will call you to schedule a meeting to discuss this further in more detail.

Very truly yours,

[Name and Title]

RESPONSE TO INVITATION

I accept the foregoing invitation to participate in providing service to the above-described development.

I decline the foregoing invitation to participate in providing service to the above-described development.

[ARIZONA WATER COMPANY]

or

[_____]

By: _____

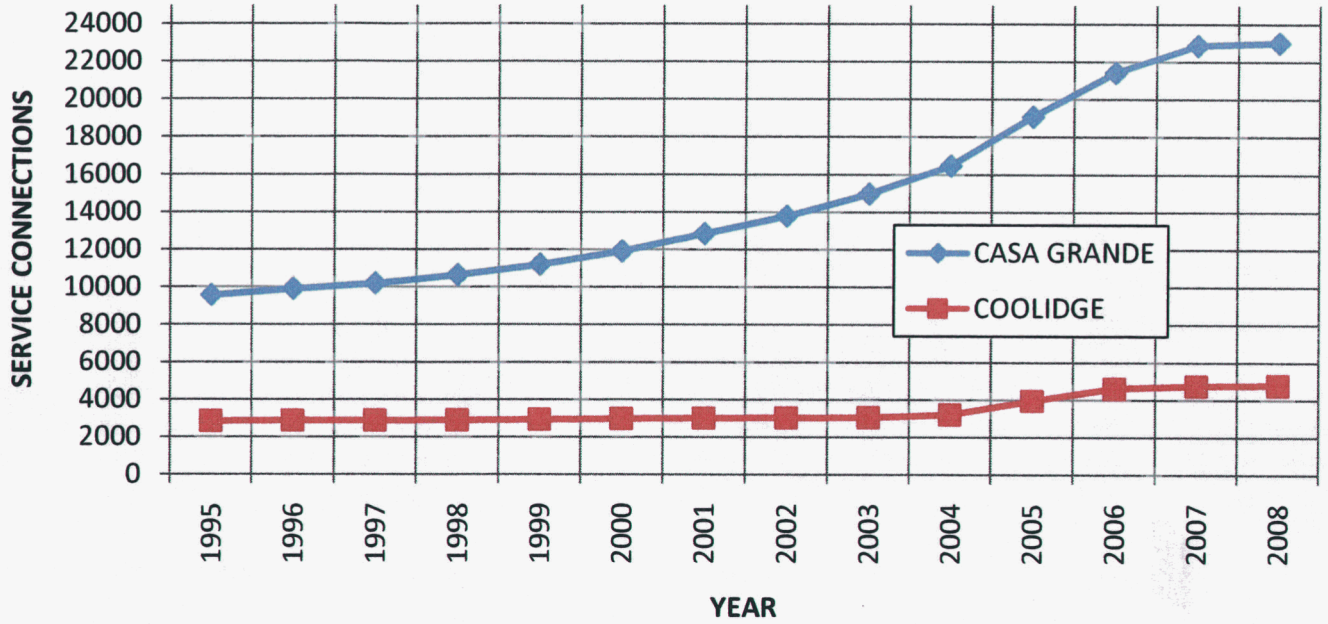
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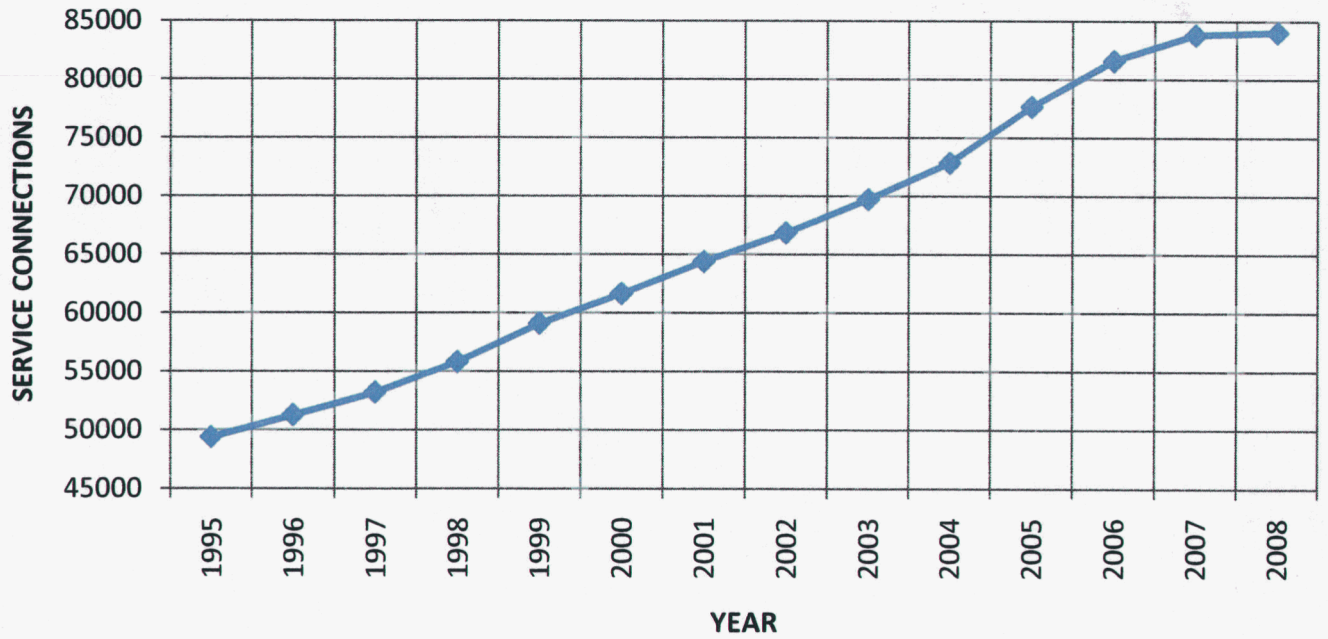
Date: _____

WMIG-7

SERVICE CONNECTIONS - CASA GRANDE & COOLIDGE



SERVICE CONNECTIONS - TOTAL COMPANY



**Fredrick
K.
Schneider**

1 **COMMISSIONERS**

2 Kristin K. Mayes, Chairman
3 Gary Pierce
4 Paul Newman
5 Sandra D. Kennedy
6 Bob Stump

7
8 **BEFORE THE ARIZONA CORPORATION COMMISSION**

9 10	IN THE MATTER OF THE APPLICATION OF ARIZONA WATER COMPANY, FOR AN EXTENSION OF ITS EXISTING CERTIFICATE OF CONVENIENCE AND NECESSITY. AT CASA GRANDE, PINAL COUNTY, ARIZONA	DOCKET NO. W-01445A-06-0199
11 12	IN THE MATTER OF THE APPLICATION OF PALO VERDE UTILITIES COMPANY FOR AN EXTENSION OF ITS EXISTING CERTIFICATE OF CONVENIENCE AND NECESSITY.	DOCKET NO. SW-03575A-05-0926
13 14	IN THE MATTER OF THE APPLICATION OF SANTA CRUZ WATER COMPANY FOR AN EXTENSION OF ITS CERTIFICATE OF ITS EXISTING CERTIFICATE OF CONVENIENCE AND NECESSITY.	DOCKET NO. W-03576A-05-0926
15 16	IN THE MATTER OF THE APPLICATION OF PALO VERDE UTILITIES COMPANY FOR AN EXTENSION OF ITS EXISTING CERTIFICATE OF CONVENIENCE AND NECESSITY.	DOCKET NO. SW-03575A-07-0300
17 18	IN THE MATTER OF THE APPLICATION OF SANTA CRUZ WATER COMPANY FOR AN EXTENSION OF ITS CERTIFICATE OF ITS EXISTING CERTIFICATE OF CONVENIENCE AND NECESSITY.	DOCKET NO. W-03576A-07-0300
19 20	ARIZONA WATER COMPANY, AN ARIZONA CORPORATION,	DOCKET NO. W-01445A-06-0200
21 22	COMPLAINANT, VS.	DOCKET NO. SW-20445A-06-0200
23 24	GLOBAL WATER RESOURCES, LLC, A FOREIGN LIMITED LIABILITY COMPANY; GLOBAL WATER RESOURCES, INC., A DELAWARE CORPORATION;	DOCKET NO. W-20446A-06-0200
25 26	GLOBAL WATER MANAGEMENT, LLC, A FOREIGN LIMITED LIABILITY COMPANY; SANTA CRUZ WATER COMPANY, LLC, AN ARIZONA LIMITED LIABILITY CORPORATION; PALO VERDE UTILITIES COMPANY, LLC, AN ARIZONA LIMITED	DOCKET NO. W-03576A-06-0200
27		DOCKET NO. SW-03575A-06-0200

1 LIABILITY CORPORATION; GLOBAL WATER –
2 SANTA CRUZ WATER COMPANY, AN ARIZONA
3 CORPORATION; GLOBAL WATER – PALO VERDE
4 UTILITIES COMPANY, AN ARIZONA
5 CORPORATION; JOHN AND JANE DOES 1-20; ABC
6 ENTITIES I-XX,
7
8 RESPONDENTS.

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IN THE MATTER OF THE JOINT APPLICATION OF
CP WATER COMPANY AND FRANCISCO GRANDE
UTILITIES COMPANY TO TRANSFER THEIR
CERTIFICATES OF CONVENIENCE AND
NECESSITY AND ASSETS TO PALO VERDE
UTILITIES COMPANY AND SANTA CRUZ WATER
COMPANY.

DOCKET NO. W-01775A-07-0485
DOCKET NO. SW-03575A-07-0485
DOCKET NO. W-20442A-07-0485
DOCKET NO. W-03576A-07-0485

**PREPARED TESTIMONY OF FREDRICK K. SCHNEIDER
ON BEHALF OF ARIZONA WATER COMPANY
JANUARY 12, 2009**

Q. WHAT ARE YOUR NAME, EMPLOYER, AND OCCUPATION?

A. My name is Fredrick K. Schneider and I am employed by Arizona Water Company ("Company") as Vice President of Engineering. My business address is 3805 N. Black Canyon Highway, Phoenix, Arizona 85015.

Q. PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND AND WORK EXPERIENCE.

A. In 1987, while still in college, I began working for the United States Department of Agriculture performing chemical and granular gradation laboratory analysis on soils samples. In 1988, I accepted a position with the City of Tucson as an Engineering Intern in their Engineering Department performing civil engineering site reviews. I later

1 transferred to the City of Tucson's Water Department and worked on groundwater
2 modeling, environmental remediation, and groundwater contamination investigation until
3 I graduated from the University of Arizona in 1990 with a Bachelor of Science degree. I
4 then joined Boyle Engineering Corporation in Phoenix, Arizona as an Assistant Engineer,
5 and was promoted to the position of Associate Engineer in 1993. Boyle Engineering
6 provides consulting engineering services to the public and private sectors in the areas of
7 water and wastewater. During this time, I was involved in a variety of consulting
8 assignments related to system planning and design, including reconnaissance level
9 investigations and feasibility studies through final design and construction phase services.
10 I gained experience in water and wastewater master planning, groundwater supply
11 development, surface water supply, storage reservoirs, treatment facilities, pipeline
12 systems, wastewater collection, treatment, and disposal while at Boyle Engineering. In
13 1995, I accepted a position with Wood, Patel and Associates in Phoenix, Arizona. Wood,
14 Patel is also a consulting engineering firm. My duties at Wood, Patel consisted of
15 engineering design and project management for various water and wastewater pipeline
16 feasibility analyses, evaluation of alternatives, cost estimating, detailed hydraulic analysis
17 and master planning new developments ranging in size from several hundred to several
18 thousand acres in size.

19
20 In 1998, I joined Citizens Water Resources, a major Arizona utility company, as a
21 Senior Development Engineer. Within a few months, I was promoted to the position of
22 Development Services Supervisor, where I negotiated development agreements, reviewed
23 water and wastewater master plans and facility infrastructure plans and oversaw the
24 inspection and approval of the related constructed facilities for Citizen's projects within
25 the metro Phoenix area. I became an employee of Arizona-American Water Company
26 when American Water purchased the water and wastewater assets of Citizens on January

1 15, 2001, and was subsequently promoted to the position of Development Services
2 Manager, responsible for the same duties, statewide. In 2003, I moved from engineering
3 to operations when I was promoted to the position of Manager of Arizona-American
4 Water Company, and became responsible for the operations of all of Arizona-American's
5 in-state water and wastewater treatment facilities, distribution and collection facilities,
6 and customer service. In May 2004, I was promoted to the position of Director of
7 Engineering for American Water's Western Region, where my responsibilities included
8 overseeing all capital planning and engineering activities for American Water's
9 operations in Arizona, California, Hawaii, New Mexico, and Texas.

10
11 In October 2005, I accepted a position as an Associate at Brown and Caldwell,
12 another consulting engineering firm. While at Brown and Caldwell, I managed the
13 Phoenix Infrastructure Department, including the design, project management and
14 construction administration of water and wastewater infrastructure within the
15 metropolitan Phoenix area.

16
17 In August 2007, I joined Arizona Water Company as Vice President of
18 Engineering, where my responsibilities include capital planning, design and construction
19 management of all engineering projects.

20
21 **Q. PLEASE PROVIDE MORE DETAIL CONCERNING YOUR EDUCATIONAL**
22 **BACKGROUND.**

23
24 **A.** I graduated in 1990 with a Bachelor of Science degree in Hydrology from the College of
25 Engineering and Mines at the University of Arizona, in Tucson, Arizona. Additionally, I
26 have taken classes at the University of Phoenix working towards an MBA.

1 Q. ARE YOU A MEMBER OF ANY PROFESSIONAL ORGANIZATIONS?

2

3 A. Yes. I am a member of the American Water Works Association, Water Environment
4 Federation and the Arizona Water and Pollution Control Association.

5

6 Q. ARE YOU A REGISTERED PROFESSIONAL ENGINEER?

7

8 A. Yes. I have been a registered professional engineer in the State of Arizona since 1995.
9 In addition, I am an Arizona Department of Environmental Quality certified water and
10 wastewater operator.

11

12 Q. HAVE YOU TESTIFIED PREVIOUSLY BEFORE THE COMMISSION?

13

14 A. Yes. I have previously testified in rate proceedings and Certificate of Convenience and
15 Necessity ("CCN") hearings before the Arizona Corporation Commission. In addition, I
16 have testified in California before the California Public Utilities Commission and
17 presented prepared written testimony in Hawaii and New Mexico.

18

19 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

20

21 A. I will discuss how the requested extension area as amended fits into Arizona Water
22 Company's master plan for its water system in the Pinal Valley area, and how Arizona
23 Water Company plans to meet the water utility service needs of the requested extension
24 area. Additionally, my testimony will include engineering and operational benefits of the
25 amended extension area.

26

27

28

1 Q. WILL YOU BE SPONSORING ANY EXHIBITS WITH YOUR DIRECT
2 TESTIMONY?

3

4 A. Yes. I will be sponsoring the exhibits listed on the attached list of Exhibits, with the
5 exhibits themselves following the list of Exhibits in tabbed order:

6

- 7 1. Arizona Water Company's Pinal Valley Water System Master Plan
8 2. Design Report

9

10 These documents are true and accurate copies of documents from the Company's
11 business records, or were prepared directly by me or Company staff under my
12 supervision.

13

14 Q. PLEASE DISCUSS ARIZONA WATER COMPANY'S MASTER PLAN FOR
15 PROVIDING WATER UTILITY SERVICE IN THE PINAL VALLEY.

16

17 A. Attached to my testimony as Exhibit FKS1 is Arizona Water Company's current Pinal
18 Valley Water System Master Plan (the "Master Plan") for the provision of water service
19 to the Company's Pinal Valley Water Service Area, which includes the area at issue in
20 this request for an extension of Arizona Water Company's CCN. The Master Plan shows
21 the extensive waterline network of Arizona Water Company's existing and planned
22 pipelines, treatment plants, storage tanks, wells, and booster stations. The various
23 pressure zones are also identified. The Master Plan also shows the completed
24 interconnection of the Casa Grande and Coolidge water systems and the planned
25 interconnection to the Stanfield water system, as well as the location of the property
26 purchased for the Arizona Water Company's planned surface water treatment plant for

27

28

1 Central Arizona Project (“CAP”) water. Arizona Water Company has been working on
2 this Master Plan for several years and continues to update and revise the Master Plan as
3 necessary for planning purposes. Arizona Water Company has invested a considerable
4 amount of time and effort in preparing the Master Plan because of the Commission’s
5 requirement that the Company undertake a comprehensive estimation of projected
6 population growth in customers in Pinal County and the corresponding need to plan for
7 additional sources of supply, water treatment facilities, storage tanks, distribution
8 pipelines, and other utility plant in that region to assure reliable water resources to those
9 customers.

10
11 **Q. PLEASE DISCUSS HOW THE REQUESTED EXTENSION AREA IS AN**
12 **IMPORTANT PART OF ARIZONA WATER COMPANY’S REGIONAL**
13 **PLANNING AND ITS PLANS TO INTERCONNECT THE PINAL VALLEY**
14 **WATER SYSTEMS.**

15
16 **A.** The Master Plan reflects the natural westward growth of Arizona Water Company’s
17 integrated Casa Grande water system. The requested area is contiguous to the existing
18 Casa Grande and Stanfield CCN areas. The Company has expanded its Casa Grande
19 water system in a logical and orderly westward direction to ensure that water service can
20 be readily extended when new subdivisions are developed. Unquestionably, water
21 service is needed in this area, as demonstrated by the requests for service. Parcels
22 without current requests for service are nonetheless contiguous to, and are logical
23 extensions of, the existing CCN and the areas for which there are requests for water
24 service. Extending the CCN area in this proceeding to include areas without current
25 requests for service will allow the Company to better plan for efficient and cost-effective
26 service to those future customers, which is in the public interest.

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Second, the requested extension area would allow Arizona Water Company to plan for and ultimately interconnect its Casa Grande and Stanfield water systems, as development occurs, thereby improving the reliability and efficiency of both systems. It will also assure that the Stanfield water system is not permanently cut off and isolated from the larger Casa Grande water system, and not permanently deprived of the considerable operating efficiencies and economies of scale that a fully integrated and interconnected water system would provide to the public.

Finally, granting the requested CCN extension area to Arizona Water Company will greatly facilitate the provision of water service to the areas along Highway 387 northwest of the existing Casa Grande water system. This area has generally poor water resources, both in terms of the quantity and quality of groundwater. Adding the area to Arizona Water Company's CCN will allow the Company to provide service from the existing, much broader array of water resources in the Company's Casa Grande water system. Because of Arizona Water Company's greater resources, the Company will be able to serve the area by blending water, where necessary, including the use of renewable sources like CAP water treated by the Company's planned CAP water treatment plant. Clearly the area would benefit from Arizona Water Company naturally expanding its existing Casa Grande water system to ensure the area has access to the reliable, cost effective water service that Arizona Water Company's Casa Grande water system, with its interconnected and fully integrated water services, can offer.

1 Q. PLEASE EXPLAIN HOW THE SETTLEMENT AGREEMENT BETWEEN
2 ARIZONA WATER COMPANY AND GLOBAL WATER RESOURCES
3 ("GLOBAL") ASSISTS THE COMPANY WITH ITS REGIONAL PLANNING
4 EFFORTS.

5 A. Having a defined and logical planning boundary, such as is achieved through the
6 Settlement Agreement, provides certainty for planning purposes by establishing a
7 geographic boundary within which Arizona Water Company can plan for the water needs
8 of its customers. It is difficult to plan on a regional scale if there is uncertainty about
9 whether or not the area being planned will even be served by the Company. Without a
10 defined planning area, such as the Company's Pinal Valley Water System Planning Area,
11 it would be more difficult to plan, develop and implement on a regional basis. Planning
12 on a project by project basis cannot achieve the same benefits of regional planning.

13
14 In addition, the Settlement Agreement provides the basic framework for the
15 Company to plan for the use of reclaimed water. The business relationship established
16 between the Company and Global resulting from the Settlement Agreement is critical to
17 jointly resolving water, wastewater, and reclaimed water issues facing the region. For
18 these reasons, the Commission should recognize the benefits of the Settlement
19 Agreement and the Company's Pinal Valley Water System Planning Area.

20
21 Q. SHOULD THE COMMISSION APPROVE GLOBAL - PALO VERDE
22 UTILITIES COMPANY'S AMENDED CCN EXTENSION APPLICATION, AND
23 IF SO, WHY?

24
25 A. Yes. Having an established wastewater service provider, such as Global's Palo Verde
26 Utilities Company, where there is a need for wastewater service, is in the public interest

1 and there is a public need and necessity for Palo Verde Utilities Company to hold a
2 wastewater CCN. In addition, the commitment established by the Settlement Agreement
3 between Arizona Water Company and Global will ensure that the parties are able to
4 achieve levels of operational efficiencies, planning coordination, and reuse of reclaimed
5 water that may not be achieved from another wastewater service provider, or possibly a
6 patchwork of small plants and wastewater providers.

7
8 **Q. PLEASE EXPLAIN WHY, FROM AN ENGINEERING PERSPECTIVE, IT IS**
9 **BETTER TO HAVE AN INTEGRATED GRID RATHER THAN SEPARATE,**
10 **SMALL SYSTEMS THAT ARE NOT INTERCONNECTED.**

11
12 A. Creating a regional, fully integrated pipeline grid allows for better water system
13 reliability and efficiency from an engineering perspective. In Arizona Water Company's
14 fully integrated pipeline grid, each well becomes a back-up for all the other wells, and
15 each storage facility becomes a back-up for the other storage facilities. By integrating
16 and interconnecting all of these resources together in a planned regional water system,
17 economies of scale can be achieved that could not be achieved with a number of separate,
18 isolated systems. Small isolated individual systems cannot achieve those necessary levels
19 of reliability and efficiency. With a large integrated grid, a far greater number and
20 variety of locations are available to drill wells, thereby allowing the Company to be more
21 efficient and selective about drilling where the best water quality and quantity can be
22 produced. Moreover, a well-planned and integrated grid allows water customers to
23 benefit from the use of renewable water resources, including CAP water, from a single
24 large scale efficient surface water treatment plant capable of serving the Company's
25 entire Pinal Valley Water Service Area.

1 Q. PLEASE DISCUSS ARIZONA WATER COMPANY'S PLANS FOR
2 CONSTRUCTION OF ITS PLANNED SURFACE WATER TREATMENT
3 PLANT.

4
5 A. The Company already has developed plans to construct a surface water treatment plant to
6 treat its CAP water allocation. Arizona Water Company purchased approximately sixty
7 acres of land in Section 18, T.6S, R 9E in the southeastern part of the Master Plan area
8 for construction of this treatment plant in 2005 and plans to place it in service no later
9 than 2025. Growth rates will govern the Company's schedule for construction, treatment
10 capacity, and completion of the treatment plant. The plant is being built to accommodate
11 water supply needs as growth of its Pinal Valley Water System recovers. Initially, the
12 plant would be designed with sufficient capacity to treat Arizona Water Company's
13 10,884 acre-feet Casa Grande and Coolidge allocations of CAP water with an initial
14 water treatment capacity of 10 million gallons per day. The treatment plant will be
15 designed to allow for additional phases of expanded water treatment capacity as customer
16 growth occurs and additional surface water supplies become available.

17
18 The site for the plant was chosen based on:

- 19 a. Its proximity to the CAP canal and San Carlos Irrigation and Drainage
20 District canals;
- 21 b. Its shape and size;
- 22 c. Its proximity to the Company's Casa Grande and Coolidge water systems;
- 23 d. The land value and land cost; and
- 24 e. Its ability to support modular expansions of the water treatment facility to
25 meet future needs and ultimately support a capacity of nearly 100 million
26 gallons per day.

1 Arizona Water Company has recently completed the utilization plan and
2 conceptual design of the regional surface water treatment plant which the Company will
3 include as part of its update to the Commission on the Company's CAP Water Use Plan.
4

5 **Q. HOW DOES ARIZONA WATER COMPANY PLAN TO FUND THE CAP**
6 **WATER TREATMENT PLANT?**
7

8 A. Arizona Water Company intends to file with the Commission an application for approval
9 of a Facilities Fee to be collected from new customers in the Pinal Valley Water Service
10 Area for the purpose of funding the design and construction of the new CAP surface
11 water treatment plant. The Facilities Fee Tariff and accompanying application are in the
12 final stages of drafting, review, and approval before being filed with the Commission.
13

14 **Q. IS ARIZONA WATER COMPANY CURRENTLY FURNISHING UNTREATED**
15 **CAP WATER TO CUSTOMERS IN ITS CASA GRANDE SYSTEM?**
16

17 A. Yes. Arizona Water Company is already furnishing untreated CAP water to customers in
18 its Casa Grande system, and the Company has a Commission-approved tariff for such
19 service. Arizona Water Company provides approximately 2,500 acre-feet of untreated
20 CAP water under this tariff to three users, including Salt River Project's Desert Basin
21 power plant, Francisco Grande Golf Resort and Casa Grande Golf and RV Resort. This
22 untreated CAP water is delivered from the Santa Rosa Canal through lateral canals
23 owned and maintained by the Maricopa Stanfield Irrigation and Drainage District. The
24 new CAP treatment plant will expand, not just begin, Arizona Water Company's use of
25 CAP water to serve customers in its Pinal Valley Water Service Area.
26
27

1 Q. PLEASE DISCUSS ARIZONA WATER COMPANY'S PLANS FOR ARSENIC
2 AND NITRATE TREATMENT THAT MAY BE NECESSARY IN THE
3 PROPOSED EXTENSION AREA.

4
5 A. To date, Arizona Water Company has constructed five arsenic treatment plants in its Casa
6 Grande water system and one in Stanfield to treat water production from 15 wells. These
7 treatment plants are complete and in service and have a combined water treatment
8 capacity of approximately twenty million gallons per day. Additionally, the Company
9 has completed construction of two nitrate treatment plants in Stanfield and Coolidge.
10 Both of these treatment plants are complete and in service and have a combined water
11 treatment capacity of approximately three million gallons per day. As the Company drills
12 additional wells, arsenic treatment will be accomplished by a variety of methods,
13 dependent upon the circumstances arising at each well, as follows: a. construction of
14 additional wellhead arsenic treatment plants; b. construction of a regional well field
15 arsenic treatment plant which treats the arsenic from several groundwater sources; or c.
16 blending the untreated water with treated water from one of the Company's existing or
17 planned arsenic or surface water treatment plants.

18
19 Over the years, Arizona Water Company has gained considerable experience
20 constructing and operating arsenic and nitrate treatment plants and is confident that, if
21 water produced from any well drilled in the expansion area needs to be treated, Arizona
22 Water Company can provide the necessary treatment.

1 Q. IS ARIZONA WATER COMPANY IN A POSITION TO CALCULATE THE
2 SPECIFIC COSTS ASSOCIATED WITH ARSENIC TREATMENT FOR THE
3 EXTENSION AREA?
4

5 A. There are too many uncertainties at this time to calculate the number of arsenic treatment
6 plants that might be needed and the costs associated with that treatment. We would not
7 know the arsenic levels of new wells until they are drilled. However, the Company
8 would maximize the efficiency of its area-wide, integrated water system operations to
9 keep those costs as low as possible. For example, Arizona Water Company could
10 minimize the need for costly wellhead arsenic treatment by locating new groundwater
11 supplies near the planned surface water treatment plant, or near an existing centralized
12 arsenic treatment facility. Two of the most recent wells drilled in the Casa Grande area
13 by the Company comply with all of the safe drinking water standards without arsenic
14 treatment.
15

16 Over the last four years, Arizona Water Company has drilled three new wells in
17 the Pinal Valley area. The three new wells have also provided Arizona Water Company
18 with the opportunity to develop new drilling technologies and specifications to
19 significantly reduce arsenic levels. Arizona Water Company expects to draw upon this
20 experience to minimize the size and cost of additional arsenic treatment plants within the
21 regional planning area, which will benefit all customers in the Company's Pinal Valley
22 Water Service Area.
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1 Q. HOW WOULD THE UTILITY PLANT AND INFRASTRUCTURE FOR THE
2 EXTENSION AREA BE FINANCED IF ARIZONA WATER COMPANY IS
3 AWARDED THE CCN?
4

5 A. Arizona Water Company has its own Company-funded construction budget for upgrading
6 its water system to meet increasing customer demands and complying with all applicable
7 regulations. In addition, much of the new utility plant would be financed by developers
8 under the Commission's main extension rule and by the collection of funds from the
9 Company's planned Facilities Fee Tariff. Financing by use of the main extension rule
10 and the Facilities Fee Tariff ensures that the Company and its existing customers are
11 shielded to a great extent from the cost of infrastructure needed to serve new
12 developments in the extension area. The risk of new development remains with the
13 developer, rather than the Company and its existing customers.
14

15 Q. PLEASE DISCUSS THE LOCATION AND CAPACITY OF THE WATER
16 STORAGE TANKS THAT WILL SERVE THE CCN EXPANSION AREA.
17

18 A. The Master Plan shows the anticipated location of the water storage tanks to serve the
19 area. All of these issues are discussed in the design report provided to Staff by the
20 Company, a copy of which is attached to my testimony as Exhibit FKS2.
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1 Q. PLEASE DISCUSS ARIZONA WATER COMPANY'S PLANS FOR PROVISION
2 OF WATER FOR FIRE PROTECTION IN THE REQUESTED EXTENSION
3 AREA.

4
5 A. Arizona Water Company's Casa Grande water system is large enough, with significant,
6 multiple water supply sources, water storage capacity, and mains designed with sufficient
7 flow capacity, that it can readily provide water for fire protection needs within the
8 requested extension area. Small isolated systems often lack the ability to provide reliable
9 water supply in sufficient quantities and flow rates, and rarely can provide sufficient flow
10 for fire protection purposes.

11
12 Q. WHAT OTHER OPERATIONAL BENEFITS CAN BE REALIZED BY
13 APPROVAL OF THE AMENDED EXTENSION AREA?

14
15 A. From an operations perspective, efficiencies are gained by utilizing the Company's
16 already trained and experienced, certified operators who have the knowledge and
17 experience to operate wells, large distribution mains and storage and water treatment
18 facilities. These operators live in the communities in which they work which allows for
19 quick response times in the event of an emergency. Equipment purchased to maintain the
20 Company's existing water system would be utilized for the same purposes within the
21 amended extension area. The management team and operations employees required to
22 adequately run a water system are currently employed by the Company and already have
23 the ability to serve the amended extension area without the need to create a new
24 management group or a new workforce.

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1 Q. WHAT ARE ARIZONA WATER COMPANY'S PLANS CONCERNING
2 RECLAIMED WATER SERVICE IN THE EXTENSION AREA?
3

4 A. Arizona Water Company recognizes the importance of reclaimed water in meeting the
5 water needs of its customers and in achieving a more sustainable water supply. Specific
6 to the extension area and the Settlement Agreement, Palo Verde Utilities Company will
7 sell bulk reclaimed water to Arizona Water Company in areas where the Company is the
8 water service provider and Palo Verde Utilities Company is the wastewater service
9 provider. The Company anticipates that direct deliveries of reclaimed water for turf
10 facilities and other non-potable demands must be addressed through planning and
11 coordination between the reclaimed water users and Palo Verde Utilities Company. In
12 addition, some amount of groundwater recharge will be required to fully utilize all
13 reclaimed water produced in the Company's Pinal Valley Water Service Area.
14

15 It would be premature to hypothesize about the full planning or infrastructure
16 requirements related to reclaimed water deliveries or recharge, but it is clear that the
17 Company will have a lead role in achieving full use of reclaimed water. In addition,
18 Arizona Water Company is in the process of preparing a Reclaimed Water Tariff which
19 will be filed with the Commission this year. In the future, the Company anticipates the
20 need for some level of master planning for the reclaimed water portion of its water
21 service obligations. By approving the Company's CCN extension, the Commission will
22 be laying the framework for the Company to proceed with reclaimed water planning and
23 achieve the public policy goals of maximizing the use of reclaimed water and providing a
24 more sustainable water supply.
25
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1 Q. DOES THIS COMPLETE YOUR PREPARED DIRECT TESTIMONY?

2

3 A. Yes, it does.

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EXHIBITS

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FKS1 Arizona Water Company's Pinal Valley Water System Master Plan.

FKS2 Design Report.

FKS-1

FKS-2



Design Report

for

Proposed CC&N Extension

Docket No: W-01445A-06-0199

Docket No: SW-03575A-05-0926

Docket No: W-03576A-05-0926

Prepared by:

Arizona Water Company

P.O. Box 29006

Phoenix, AZ 85038-9006

July 7, 2006

A. Introduction

The area that Arizona Water Company (the "Company") seeks to add by its application to extend its Certificate of Convenience and Necessity (CC&N) is located westerly of the Company's existing Casa Grande CC&N and includes approximately 111 sections of land. That area is shown in Exhibit 2 of the Company's application.

The purpose of this Design Report is to provide an estimate of the projected water demands this area will require and identify the major infrastructure (i.e. tanks, wells, water treatment plants, and transmission lines) required to satisfy the estimated demands.

The CC&N expansion area is a natural extension of the Company's Casa Grande water distribution system. Annual growth rates and daily demands have been estimated based on Casa Grande's historic growth rates and customer demands.

Over the last seven years, Casa Grande has grown at the rate of approximately 860 customers per year. As of July 2005, Casa Grande had 18,006 customers. The July customer count was chosen because July is typically Casa Grande's peak month. Historically, Casa Grande's residential, commercial and industrial customers use an average of 850 gallons per day for the peak month. Although Casa Grande's residential customers use an average of less than 350 gallons per dwelling unit per day, for the purpose of this Design Report the Company will use the more conservative demand estimates of 850 gallons per customer per day which includes the combined estimated maximum daily demand of all customers, including industrial and commercial customers and provides a reserve for fire protection.

B. Infrastructure

The infrastructure needed to serve the expansion area is divided into ten year intervals and is estimated for a period of fifty years. The Company's standard design statement and analysis for calculating required storage and production is detailed in Exhibit 1. The following table lists the required infrastructure.

<i>Year</i>	<i>Customers added to both Casa Grande & Expansion Area</i>	<i>Wells</i>	<i>Treatment Plant</i>	<i>Tanks (Gallons)</i>
2015	17,200	3	CAP Treatment Plant	5 Million
2025	17,200	4	Expansion	5 Million
2035	17,200	6	Expansion	5 Million
2045	17,200	6	Expansion	5 Million
2055	17,200	7	Expansion	5 Million
Total	86,000	26	60 MGD	25 Million

The following table provides the estimated cost by decade of the required infrastructure.

<i>Year</i>	<i>Wells</i>	<i>Treatment Plant</i>	<i>Tanks</i>
2005-2015	\$2,400,000	\$25,000,000	\$2,500,000
2015-2025	3,200,000	17,000,000	2,500,000
2025-2035	5,600,000	13,000,000	2,500,000
2035-2045	5,600,000	13,000,000	2,500,000
2045-2055	6,400,000	9,000,000	2,500,000
<i>50 Years</i>	\$23,200,000	\$77,000,000	\$12,500,000

Note: The Unit Cost of a Well is estimated at \$800,000 (Based on 2005 Dollars)

Based on a uniform progressive build-out pattern and at densities of four units per acre, approximately 20 miles of 12-inch and larger transmission mains would be constructed every ten years. The installation of transmission mains will be determined by actual development needs. The Company will follow its design criteria and will install 12-inch mains on section lines except on every third section line, the Company will install a 16-inch main. As a result, approximately 7 miles (36,960 ft.) of 16-inch transmission mains and 13 miles (68,640 ft.) of 12-inch transmission mains will be built every 10 years.

The estimated quantities and costs to create an adequate grid distribution system in the CC&N expansion area are:

68,640 ft. of 12-inch D.I.P. & related fitting @ \$50/ft. = \$ 3,432,000

36,960 ft. of 16-inch D.I.P. & related fitting @ \$60/ft. = \$ 2,217,600

The pipe line grid distribution system for the CC&N expansion area is shown on the Pinal Valley Water Distribution System Map (Exhibit 2).

The flow model (Exhibit 3) for the Casa Grande system, including the CC&N expansion area assumes that the entire grid system for the expansion area is complete, and the peak demands and production for year 2055 are uniformly distributed. All production sources are placed in known locations or locations that we believe would be most probable based on aquifer characteristics.

The flow model clearly shows that the proposed grid system is adequately sized to serve the entire Casa Grande system, including the proposed CC&N expansion area.

C. Arsenic

The Company will complete construction of the arsenic treatment facilities needed in Casa Grande for its existing water supplies prior to year-end 2006 to comply with EPA's new standard of 10 parts per billion for arsenic.

The Company's experience has shown that wells drilled in or around Casa Grande may require treatment facilities to remove arsenic. No cost estimates have been included for arsenic treatment in the Cost for Infrastructure Table because of this uncertainty. The Company will maximize its system operations by placing groundwater supplies near surface water and centralized treatment facilities, thereby minimizing capital costs and assuring operational efficiency, redundancy and water supply and water quality reliability.

ARIZONA WATER COMPANY

JULY 2005
CASA GRANDE
PINAL COUNTY, ARIZONA

Calculation to determine Average Day Peak Month demand (ADPM)

July was the peak month for 2005 with a total production of 469,839,000 gallons produced over 31 days.

$$\text{ADPM} = \frac{469,839,000 \text{ gal.}}{31 \text{ days}} = 15,156,097 \text{ gal./day}$$

In July 2005 Casa Grande had 18006 customers, the average demand per customer for the peak month is:

$$\text{Ave. Demand per customer} = \frac{15,156,097 \text{ gal./day}}{18,006 \text{ customers}} = 850 \text{ gal./day/cust.}$$

The average growth rate for Casa Grande over the last 7 years was 860 cust./yr.

ARIZONA WATER COMPANY

CASA GRANDE

SYSTEM	MONTH (2005)	ADPM AVERAGE DAY PEAK MONTH (gpm)	PEAKING FACTOR	PDPM PEAK DAY PEAK MONTH (gpm)	MAXIMUM PRODUCTION (gpm) LESS ONE WELL	NET GAIN or (LOSS) (gpm)
CG	July	10,525	1.2	12,630	16,630	4,000

Source of Supply	Production (gpm)	Tank Name	Storage (gal)
#9 - Casa Grande	1000	Cottonwood	1,000,000
#10 - Casa Grande	850	Burgess Peak	2,000,000
#14 - Casa Grande	150	Casa Grande Mtn.	5,000,000
#17 - Casa Grande	730	Scott Drive #1	110,000
#19 - Casa Grande	1400	Scott Drive #2	5,000,000
#20 - Casa Grande	1120	North Park	625,000
#21 - Casa Grande	610	North Park	35,000
#23 - Casa Grande	1240		
#24 - Casa Grande	960		
#25 - Casa Grande	1320		
#26 - Casa Grande	1420		
#27 - Casa Grande	450		
#28 - Casa Grande	1620		
#29 - Casa Grande	1380		
#30 - Casa Grande	1000		
#31 - Casa Grande	1500		
#34 - Del Rio	1500		
		Out-of-Service	
TOTAL PRODUCTION:	18,250	TOTAL STORAGE:	13,770,000

Design Statement for Well Production:

The water distribution system must have sufficient capacity to meet the demand of three consecutive peak days with the largest well out of service. Total storage must never fall below 50% while maintaining the three consecutive peak days.

- 1 ADPM - Average day demand during the peak month as calculated on page 1
- 2 PDPM - Peak day demand during the peak month - ADPM x Peaking Factor
- 3 Maximum Production - Total of all wells minus the largest producer.
- 4 Net Gain/(Loss) - (3) Maximum Production minus (2) PDPM

ARIZONA WATER COMPANY

**DAY ONE
STORAGE CALCULATIONS
SYSTEM - Casa Grande**

* MAXIMUM PRODUCTION (gpm) = 16,630
 * MAXIMUM PRODUCTION (gph) = 997800
 PDPM (gpd) = 12,630
 PDPM (gph)= 757,805

TIME	% OF AVERAGE HOUR	THOUSAND GALLONS PER HOUR			STORAGE IN 1,000 GALLONS
		USE	FROM SOURCE	TO STORAGE	
8-9 am	40	303.12	997.8	694.68	13770.00
9-10 am	110	833.59	997.8	164.21	13770.00
10-11 am	135	1023.04	997.8	-25.24	13744.76
11-12 noon	110	833.59	997.8	164.21	13770.00
12-1 am	100	757.80	997.8	240.00	13770.00
1-2 pm	100	757.80	997.8	240.00	13770.00
2-3 pm	110	833.59	997.8	164.21	13770.00
3-4 pm	115	871.48	997.8	126.32	13770.00
4-5 pm	145	1098.82	997.8	-101.02	13668.98
5-6 pm	240	1818.73	997.8	-820.93	12848.05
6-7 pm	285	2159.74	997.8	-1161.94	11686.11
7-8 pm	275	2083.96	997.8	-1086.16	10599.94
8-9 pm	200	1515.61	997.8	-517.81	10082.13
9-10 pm	110	833.59	997.8	164.21	10246.35
10-11 pm	60	454.68	997.8	543.12	10789.47
11-12 mid.	40	303.12	997.8	694.68	11484.14
12-1 am	20	151.56	997.8	846.24	12330.38
1-2 am	10	75.78	997.8	922.02	13252.40
2-3 am	20	151.56	997.8	846.24	13770.00
3-4 am	25	189.45	997.8	808.35	13770.00
4-5 am	35	265.23	997.8	732.57	13770.00
5-6 am	35	265.23	997.8	732.57	13770.00
6-7 am	40	303.12	997.8	694.68	13770.00
7-8 am	40	303.12	997.8	694.68	13770.00
TOTAL	2,400	18,187			

ARIZONA WATER COMPANY

**DAY TWO
STORAGE CALCULATIONS
SYSTEM - Casa Grande**

* MAXIMUM PRODUCTION (gpd) = 16,630
 * MAXIMUM PRODUCTION (gph) = 997,800
 PDPM (gpd) = 12,630
 PDPM (gph) = 757,805

TIME	% OF AVERAGE HOUR	THOUSAND GALLONS PER HOUR			STORAGE IN 1,000 GALLONS
		USE	FROM SOURCE	TO STORAGE	
8-9 am	40	303.12	997.8	694.68	13770.00
9-10 am	110	833.59	997.8	164.21	13770.00
10-11 am	135	1023.04	997.8	-25.24	13744.76
11-12 noon	110	833.59	997.8	164.21	13770.00
12-1 am	100	757.80	997.8	240.00	13770.00
1-2 pm	100	757.80	997.8	240.00	13770.00
2-3 pm	110	833.59	997.8	164.21	13770.00
3-4 pm	115	871.48	997.8	126.32	13770.00
4-5 pm	145	1098.82	997.8	-101.02	13668.98
5-6 pm	240	1818.73	997.8	-820.93	12848.05
6-7 pm	285	2159.74	997.8	-1161.94	11686.11
7-8 pm	275	2083.96	997.8	-1086.16	10599.94
8-9 pm	200	1515.61	997.8	-517.81	10082.13
9-10 pm	110	833.59	997.8	164.21	10246.35
10-11 pm	60	454.68	997.8	543.12	10789.47
11-12 mid.	40	303.12	997.8	694.68	11484.14
12-1 am	20	151.56	997.8	846.24	12330.38
1-2 am	10	75.78	997.8	922.02	13252.40
2-3 am	20	151.56	997.8	846.24	13770.00
3-4 am	25	189.45	997.8	808.35	13770.00
4-5 am	35	265.23	997.8	732.57	13770.00
5-6 am	35	265.23	997.8	732.57	13770.00
6-7 am	40	303.12	997.8	694.68	13770.00
7-8 am	40	303.12	997.8	694.68	13770.00
TOTAL	2,400	18,187			

ARIZONA WATER COMPANY

**DAY THREE
STORAGE CALCULATIONS
SYSTEM - Casa Grande**

* MAXIMUM PRODUCTION (gpd) = 16,630
 * MAXIMUM PRODUCTION (gph) = 997,800
 PDPM (gpd) = 12,630
 PDPM (gph) = 757,805

TIME	% OF AVERAGE HOUR	THOUSAND GALLONS PER HOUR			STORAGE IN 1,000 GALLONS
		USE	FROM SOURCE	TO STORAGE	
8-9 am	40	303.12	997.8	694.68	13770.00
9-10 am	110	833.59	997.8	164.21	13770.00
10-11 am	135	1023.04	997.8	-25.24	13744.76
11-12 noon	110	833.59	997.8	164.21	13770.00
12-1 am	100	757.80	997.8	240.00	13770.00
1-2 pm	100	757.80	997.8	240.00	13770.00
2-3 pm	110	833.59	997.8	164.21	13770.00
3-4 pm	115	871.48	997.8	126.32	13770.00
4-5 pm	145	1098.82	997.8	-101.02	13668.98
5-6 pm	240	1818.73	997.8	-820.93	12848.05
6-7 pm	285	2159.74	997.8	-1161.94	11686.11
7-8 pm	275	2083.96	997.8	-1086.16	10599.94
8-9 pm	200	1515.61	997.8	-517.81	10082.13
9-10 pm	110	833.59	997.8	164.21	10246.35
10-11 pm	60	454.68	997.8	543.12	10789.47
11-12 mid.	40	303.12	997.8	694.68	11484.14
12-1 am	20	151.56	997.8	846.24	12330.38
1-2 am	10	75.78	997.8	922.02	13252.40
2-3 am	20	151.56	997.8	846.24	13770.00
3-4 am	25	189.45	997.8	808.35	13770.00
4-5 am	35	265.23	997.8	732.57	13770.00
5-6 am	35	265.23	997.8	732.57	13770.00
6-7 am	40	303.12	997.8	694.68	13770.00
7-8 am.	40	303.12	997.8	694.68	13770.00
TOTAL	2,400	18,187			

MINIMUM STORAGE REQUIRED 10,572,866 Gallons

TOTAL STORAGE 13,770,000 Gallons

ADDITIONAL STORAGE REQUIRED 0 Gallons

ARIZONA WATER COMPANY

JULY 2015
CASA GRANDE
PINAL COUNTY, ARIZONA

Calculation to determine Average Day Peak Month demand (ADPM)

Casa Grande (2005)	18,006 Customers
Casa Grande existing CC&N (2005 - 2015) = $860 * 10$	8,600 Customers
Casa Grande proposed CC&N Extension (2005 - 2015) = $860 * 10$	<u>8,600</u> Customers
Total Customer Count (2015) =	35,200 Customers

$$\text{ADPM (2015)} = 35,200 * 850 = 29,920,000 \text{ gal./day}$$

Assumptions:

1. Casa Grande's growth rate will remain the same.
2. The growth rate for the territory within the company's CC&N extension will be the same as Casa Grande
3. The demand rate for Casa Grande and the CC&N extension will remain the same.

ARIZONA WATER COMPANY

CASA GRANDE

SYSTEM	MONTH (2015)	ADPM AVERAGE DAY PEAK MONTH (gpm)	PEAKING FACTOR	PDPM PEAK DAY PEAK MONTH (gpm)	MAXIMUM PRODUCTION (gpm) LESS ONE WELL	NET GAIN or (LOSS) (gpm)
CG	July	20,778	1.2	24,933	30,030	5,097

Source of Supply	Production (gpm)	Tank Name	Storage (gall)
#9 - Casa Grande	1000	Cottonwood	1,000,000
#10 - Casa Grande	850	Burgess Peak	2,000,000
#14 - Casa Grande	150	Casa Grande Mtn.	5,000,000
#17 - Casa Grande	730	Scott Drive #1	110,000
#19 - Casa Grande	1400	Scott Drive #2	5,000,000
#20 - Casa Grande	1120	North Park	625,000
#21 - Casa Grande	610	North Park	35,000
#23 - Casa Grande	1240	Signal Peak (2015)	5,000,000
#24 - Casa Grande	960		
#25 - Casa Grande	1320		
#26 - Casa Grande	1420		
#27 - Casa Grande	450		
#28 - Casa Grande	1620		
#29 - Casa Grande	1380		
#30 - Casa Grande	1000		
#31 - Casa Grande	1500		
#34 - Del Rio	1500		
#32 - Mission Royale 1	1500		
#33 - Mission Royale 2	1500		
#35 - Lowes	1500		
CAP	8900		
TOTAL PRODUCTION:			18,770,000
		TOTAL STORAGE:	31,650

2015

Out-of-Service

Design Statement for Well Production:

The water distribution system must have sufficient capacity to meet the demand of three consecutive peak days with the largest well out of service. Total storage must never fall below 50% while maintaining the three consecutive peak days.

- 1 ADPM - Average day demand during the peak month as calculated on page 1
- 2 PDPM - Peak day demand during the peak month - ADPM x Peaking Factor
- 3 Maximum Production - Total of all wells minus the largest producer.
- 4 Net Gain/(Loss) - (3) Maximum Production minus (2) PDPM

ARIZONA WATER COMPANY

DAY ONE
STORAGE CALCULATIONS
SYSTEM - Casa Grande

* MAXIMUM PRODUCTION (gpm) = 30,030
 * MAXIMUM PRODUCTION (gph) = 1801800
 PDPM (gpd) = 24,933
 PDPM (gph)= 1,496,000

TIME	% OF AVERAGE HOUR	THOUSAND GALLONS PER HOUR			STORAGE IN 1,000 GALLONS
		USE	FROM SOURCE	TO STORAGE	
8-9 am	40	598.40	1801.8	1203.40	18770.00
9-10 am	110	1645.60	1801.8	156.20	18770.00
10-11 am	135	2019.60	1801.8	-217.80	18552.20
11-12 noon	110	1645.60	1801.8	156.20	18708.40
12-1 am	100	1496.00	1801.8	305.80	18770.00
1-2 pm	100	1496.00	1801.8	305.80	18770.00
2-3 pm	110	1645.60	1801.8	156.20	18770.00
3-4 pm	115	1720.40	1801.8	81.40	18770.00
4-5 pm	145	2169.20	1801.8	-367.40	18402.60
5-6 pm	240	3590.40	1801.8	-1788.60	16614.00
6-7 pm	285	4263.60	1801.8	-2461.80	14152.20
7-8 pm	275	4114.00	1801.8	-2312.20	11840.00
8-9 pm	200	2992.00	1801.8	-1190.20	10649.80
9-10 pm	110	1645.60	1801.8	156.20	10806.00
10-11 pm	60	897.60	1801.8	904.20	11710.20
11-12 mid.	40	598.40	1801.8	1203.40	12913.60
12-1 am	20	299.20	1801.8	1502.60	14416.20
1-2 am	10	149.60	1801.8	1652.20	16068.40
2-3 am	20	299.20	1801.8	1502.60	17571.00
3-4 am	25	374.00	1801.8	1427.80	18770.00
4-5 am	35	523.60	1801.8	1278.20	18770.00
5-6 am	35	523.60	1801.8	1278.20	18770.00
6-7 am	40	598.40	1801.8	1203.40	18770.00
7-8 am	40	598.40	1801.8	1203.40	18770.00
TOTAL	2,400	35,904			

ARIZONA WATER COMPANY

DAY TWO
STORAGE CALCULATIONS
SYSTEM - Casa Grande

* MAXIMUM PRODUCTION (gpd) = 30,030
 * MAXIMUM PRODUCTION (gph) = 1,801,800
 PDPM (gpd) = 24,933
 PDPM (gph) = 1,496,000

TIME	% OF AVERAGE HOUR	THOUSAND GALLONS PER HOUR			STORAGE IN 1,000 GALLONS
		USE	FROM SOURCE	TO STORAGE	
8-9 am	40	598.40	1801.8	1203.40	18770.00
9-10 am	110	1645.60	1801.8	156.20	18770.00
10-11 am	135	2019.60	1801.8	-217.80	18552.20
11-12 noon	110	1645.60	1801.8	156.20	18708.40
12-1 am	100	1496.00	1801.8	305.80	18770.00
1-2 pm	100	1496.00	1801.8	305.80	18770.00
2-3 pm	110	1645.60	1801.8	156.20	18770.00
3-4 pm	115	1720.40	1801.8	81.40	18770.00
4-5 pm	145	2169.20	1801.8	-367.40	18402.60
5-6 pm	240	3590.40	1801.8	-1788.60	16614.00
6-7 pm	285	4263.60	1801.8	-2461.80	14152.20
7-8 pm	275	4114.00	1801.8	-2312.20	11840.00
8-9 pm	200	2992.00	1801.8	-1190.20	10649.80
9-10 pm	110	1645.60	1801.8	156.20	10806.00
10-11 pm	60	897.60	1801.8	904.20	11710.20
11-12 mid.	40	598.40	1801.8	1203.40	12913.60
12-1 am	20	299.20	1801.8	1502.60	14416.20
1-2 am	10	149.60	1801.8	1652.20	16068.40
2-3 am	20	299.20	1801.8	1502.60	17571.00
3-4 am	25	374.00	1801.8	1427.80	18770.00
4-5 am	35	523.60	1801.8	1278.20	18770.00
5-6 am	35	523.60	1801.8	1278.20	18770.00
6-7 am	40	598.40	1801.8	1203.40	18770.00
7-8 am	40	598.40	1801.8	1203.40	18770.00
TOTAL	2,400	35,904			

ARIZONA WATER COMPANY

**DAY THREE
STORAGE CALCULATIONS
SYSTEM - Casa Grande**

* MAXIMUM PRODUCTION (gpd) = 30,030
 * MAXIMUM PRODUCTION (gph) = 1,801,800
 PDPM (gpd) = 24,933
 PDPM (gph) = 1,496,000

TIME	% OF AVERAGE HOUR	THOUSAND GALLONS PER HOUR			STORAGE IN 1,000 GALLONS
		USE	FROM SOURCE	TO STORAGE	
8-9 am	40	598.40	1801.8	1203.40	18770.00
9-10 am	110	1645.60	1801.8	156.20	18770.00
10-11 am	135	2019.60	1801.8	-217.80	18552.20
11-12 noon	110	1645.60	1801.8	156.20	18708.40
12-1 am	100	1496.00	1801.8	305.80	18770.00
1-2 pm	100	1496.00	1801.8	305.80	18770.00
2-3 pm	110	1645.60	1801.8	156.20	18770.00
3-4 pm	115	1720.40	1801.8	81.40	18770.00
4-5 pm	145	2169.20	1801.8	-367.40	18402.60
5-6 pm	240	3590.40	1801.8	-1788.60	16614.00
6-7 pm	285	4263.60	1801.8	-2461.80	14152.20
7-8 pm	275	4114.00	1801.8	-2312.20	11840.00
8-9 pm	200	2992.00	1801.8	-1190.20	10649.80
9-10 pm	110	1645.60	1801.8	156.20	10806.00
10-11 pm	60	897.60	1801.8	904.20	11710.20
11-12 mid.	40	598.40	1801.8	1203.40	12913.60
12-1 am	20	299.20	1801.8	1502.60	14416.20
1-2 am	10	149.60	1801.8	1652.20	16068.40
2-3 am	20	299.20	1801.8	1502.60	17571.00
3-4 am	25	374.00	1801.8	1427.80	18770.00
4-5 am	35	523.60	1801.8	1278.20	18770.00
5-6 am	35	523.60	1801.8	1278.20	18770.00
6-7 am	40	598.40	1801.8	1203.40	18770.00
7-8 am	40	598.40	1801.8	1203.40	18770.00
TOTAL	2,400	35,904			

MINIMUM STORAGE REQUIRED 17,505,200 Gallons

TOTAL STORAGE 18,770,000 Gallons

ADDITIONAL STORAGE REQUIRED 0 Gallons

ARIZONA WATER COMPANY

JULY 2025
CASA GRANDE
PINAL COUNTY, ARIZONA

Calculation to determine Average Day Peak Month demand (ADPM)

Casa Grande (2015)	35,200 Customers
Casa Grande existing CC&N (2015 - 2025) = $860 * 10$	8,600 Customers
Casa Grande proposed CC&N Extension (2015 - 2025) = $860 * 10$	<u>8,600</u> Customers
Total Customer Count (2025) =	52,400 Customers

$$\text{ADPM (2025)} = 35,200 * 850 = 44,540,000 \text{ gal./day}$$

Assumptions:

1. Casa Grande's growth rate will remain the same.
2. The growth rate for the territory within the company's CC&N extension will be the same as Casa Grande
3. The demand rate for Casa Grande and the CC&N extension will remain the same.

ARIZONA WATER COMPANY

CASA GRANDE

SYSTEM	MONTH (2025)	ADPM AVERAGE DAY PEAK MONTH (gpm)	PEAKING FACTOR	PDPM PEAK DAY PEAK MONTH (gpm)	MAXIMUM PRODUCTION (gpm) LESS ONE WELL	NET GAIN or (LOSS) (gpm)
CG	July	30,931	1.2	37,117	45,030	7,913

Source of Supply	Production (gpm)	Tank Name	Storage (gal)
#9 - Casa Grande	1000	Cottonwood	1,000,000
#10 - Casa Grande	850	Burgess Peak	2,000,000
#14 - Casa Grande	150	Casa Grande Mtn.	5,000,000
#17 - Casa Grande	730	Scott Drive #1	110,000
#19 - Casa Grande	1400	Scott Drive #2	5,000,000
#20 - Casa Grande	1120	North Park	825,000
#21 - Casa Grande	610	North Park	35,000
#23 - Casa Grande	1240	Signal Peak (2015)	5,000,000
#24 - Casa Grande	960	Scott Drive #3 (2025)	5,000,000
#25 - Casa Grande	1320		
#26 - Casa Grande	1420		
#27 - Casa Grande	450		
#28 - Casa Grande	1620		
#29 - Casa Grande	1380		
#30 - Casa Grande	1000		
#31 - Casa Grande	1500		
#34 - Del Rio	1500		
#32 - Mission Royale 1	1500		
#33 - Mission Royale 2	1500		
#35 - Lowes	1500		
CAP	8900		
#36 - Carlton Commons 1	1500		
#37 - Carlton Commons 2	1500		
#38 - Cox Rd.	1500		
#39 - Pearl Rd.	1500		
Additional Surface Water	9000		
TOTAL PRODUCTION:	46,650	TOTAL STORAGE:	23,770,000

2015

2025

Out-of-Service

Design Statement for Well Production:

The water distribution system must have sufficient capacity to meet the demand of three consecutive peak days with the largest well out of service. Total storage must never fall below 50% while maintaining the three consecutive peak days.

- 1 ADPM - Average day demand during the peak month as calculated on page 1
- 2 PDPM - Peak day demand during the peak month - ADPM x Peaking Factor
- 3 Maximum Production - Total of all wells minus the largest producer.
- 4 Net Gain/(Loss) - (3) Maximum Production minus (2) PDPM

ARIZONA WATER COMPANY

**DAY ONE
STORAGE CALCULATIONS
SYSTEM - Casa Grande**

* MAXIMUM PRODUCTION (gpm) = 45,030
 * MAXIMUM PRODUCTION (gph) = 2701800
 PDPM (gpd) = 37,117
 PDPM (gph)= 2,227,000

TIME	% OF AVERAGE HOUR	THOUSAND GALLONS PER HOUR			STORAGE IN 1,000 GALLONS
		USE	FROM SOURCE	TO STORAGE	
8-9 am	40	890.80	2701.8	1811.00	23770.00
9-10 am	110	2449.70	2701.8	252.10	23770.00
10-11 am	135	3006.45	2701.8	-304.65	23465.35
11-12 noon	110	2449.70	2701.8	252.10	23717.45
12-1 am	100	2227.00	2701.8	474.80	23770.00
1-2 pm	100	2227.00	2701.8	474.80	23770.00
2-3 pm	110	2449.70	2701.8	252.10	23770.00
3-4 pm	115	2561.05	2701.8	140.75	23770.00
4-5 pm	145	3229.15	2701.8	-527.35	23242.65
5-6 pm	240	5344.80	2701.8	-2643.00	20599.65
6-7 pm	285	6346.95	2701.8	-3645.15	16954.50
7-8 pm	275	6124.25	2701.8	-3422.45	13532.05
8-9 pm	200	4454.00	2701.8	-1752.20	11779.85
9-10 pm	110	2449.70	2701.8	252.10	12031.95
10-11 pm	60	1336.20	2701.8	1365.60	13397.55
11-12 mid.	40	890.80	2701.8	1811.00	15208.55
12-1 am	20	445.40	2701.8	2256.40	17464.95
1-2 am	10	222.70	2701.8	2479.10	19944.05
2-3 am	20	445.40	2701.8	2256.40	22200.45
3-4 am	25	556.75	2701.8	2145.05	23770.00
4-5 am	35	779.45	2701.8	1922.35	23770.00
5-6 am	35	779.45	2701.8	1922.35	23770.00
6-7 am	40	890.80	2701.8	1811.00	23770.00
7-8 am	40	890.80	2701.8	1811.00	23770.00
TOTAL	2,400	53,448			

ARIZONA WATER COMPANY

**DAY TWO
STORAGE CALCULATIONS
SYSTEM - Casa Grande**

* MAXIMUM PRODUCTION (gpd) = 45,030
 * MAXIMUM PRODUCTION (gph) = 2,701,800
 PDPM (gpd) = 37,117
 PDPM (gph) = 2,227,000

TIME	% OF AVERAGE HOUR	THOUSAND GALLONS PER HOUR			STORAGE IN 1,000 GALLONS
		USE	FROM SOURCE	TO STORAGE	
8-9 am	40	890.80	2701.8	1811.00	23770.00
9-10 am	110	2449.70	2701.8	252.10	23770.00
10-11 am	135	3006.45	2701.8	-304.65	23465.35
11-12 noon	110	2449.70	2701.8	252.10	23717.45
12-1 am	100	2227.00	2701.8	474.80	23770.00
1-2 pm	100	2227.00	2701.8	474.80	23770.00
2-3 pm	110	2449.70	2701.8	252.10	23770.00
3-4 pm	115	2561.05	2701.8	140.75	23770.00
4-5 pm	145	3229.15	2701.8	-527.35	23242.65
5-6 pm	240	5344.80	2701.8	-2643.00	20599.65
6-7 pm	285	6346.95	2701.8	-3645.15	16954.50
7-8 pm	275	6124.25	2701.8	-3422.45	13532.05
8-9 pm	200	4454.00	2701.8	-1752.20	11779.85
9-10 pm	110	2449.70	2701.8	252.10	12031.95
10-11 pm	60	1336.20	2701.8	1365.60	13397.55
11-12 mid.	40	890.80	2701.8	1811.00	15208.55
12-1 am	20	445.40	2701.8	2256.40	17464.95
1-2 am	10	222.70	2701.8	2479.10	19944.05
2-3 am	20	445.40	2701.8	2256.40	22200.45
3-4 am	25	556.75	2701.8	2145.05	23770.00
4-5 am	35	779.45	2701.8	1922.35	23770.00
5-6 am	35	779.45	2701.8	1922.35	23770.00
6-7 am	40	890.80	2701.8	1811.00	23770.00
7-8 am	40	890.80	2701.8	1811.00	23770.00
TOTAL	2,400	53,448			

ARIZONA WATER COMPANY

**DAY THREE
STORAGE CALCULATIONS
SYSTEM - Casa Grande**

* MAXIMUM PRODUCTION (gpd) = 45,030
 * MAXIMUM PRODUCTION (gph) = 2,701,800
 PDPM (gpd) = 37,117
 PDPM (gph) = 2,227,000

TIME	% OF AVERAGE HOUR	THOUSAND GALLONS PER HOUR			STORAGE IN 1,000 GALLONS
		USE	FROM SOURCE	TO STORAGE	
8-9 am	40	890.80	2701.8	1811.00	23770.00
9-10 am	110	2449.70	2701.8	252.10	23770.00
10-11 am	135	3006.45	2701.8	-304.65	23465.35
11-12 noon	110	2449.70	2701.8	252.10	23717.45
12-1 pm	100	2227.00	2701.8	474.80	23770.00
1-2 pm	100	2227.00	2701.8	474.80	23770.00
2-3 pm	110	2449.70	2701.8	252.10	23770.00
3-4 pm	115	2561.05	2701.8	140.75	23770.00
4-5 pm	145	3229.15	2701.8	-527.35	23242.65
5-6 pm	240	5344.80	2701.8	-2643.00	20599.65
6-7 pm	285	6346.95	2701.8	-3645.15	16954.50
7-8 pm	275	6124.25	2701.8	-3422.45	13532.05
8-9 pm	200	4454.00	2701.8	-1752.20	11779.85
9-10 pm	110	2449.70	2701.8	252.10	12031.95
10-11 pm	60	1336.20	2701.8	1365.60	13397.55
11-12 mid.	40	890.80	2701.8	1811.00	15208.55
12-1 am	20	445.40	2701.8	2256.40	17464.95
1-2 am	10	222.70	2701.8	2479.10	19944.05
2-3 am	20	445.40	2701.8	2256.40	22200.45
3-4 am	25	556.75	2701.8	2145.05	23770.00
4-5 am	35	779.45	2701.8	1922.35	23770.00
5-6 am	35	779.45	2701.8	1922.35	23770.00
6-7 am	40	890.80	2701.8	1811.00	23770.00
7-8 am	40	890.80	2701.8	1811.00	23770.00
TOTAL	2,400	53,448			

MINIMUM STORAGE REQUIRED 23,875,150 Gallons

TOTAL STORAGE 23,770,000 Gallons

ADDITIONAL STORAGE REQUIRED 105,150 Gallons

ARIZONA WATER COMPANY

JULY 2035
CASA GRANDE
PINAL COUNTY, ARIZONA

Calculation to determine Average Day Peak Month demand (ADPM)

Casa Grande (2025)	52,400 Customers
Casa Grande existing CC&N (2025 - 2035) = $860 * 10$	8,600 Customers
Casa Grande proposed CC&N Extension (2025 - 2035) = $860 * 10$	<u>8,600</u> Customers
Total Customer Count (2035) =	69,600 Customers

$$\text{ADPM (2035)} = 35,200 * 850 = 59,160,000 \text{ gal./day}$$

Assumptions:

1. Casa Grande's growth rate will remain the same.
2. The growth rate for the territory within the company's CC&N extension will be the same as Casa Grande
3. The demand rate for Casa Grande and the CC&N extension will remain the same.

ARIZONA WATER COMPANY

CASA GRANDE

SYSTEM	MONTH (2035)	ADPM AVERAGE DAY PEAK MONTH (gpm)	PEAKING FACTOR	PDPM PEAK DAY PEAK MONTH (gpm)	MAXIMUM PRODUCTION (gpm) LESS ONE WELL	NET GAIN or (LOSS) (gpm)
CG	July	41,083	1.2	49,300	61,030	11,730

Source of Supply	Production (gpm)	Tank Name	Storage (gall)
#9 - Casa Grande	1000	Cottonwood	1,000,000
#10 - Casa Grande	850	Burgess Peak	2,000,000
#14 - Casa Grande	150	Casa Grande Mtn.	5,000,000
#17 - Casa Grande	730	Scott Drive #1	110,000
#19 - Casa Grande	1400	Scott Drive #2	5,000,000
#20 - Casa Grande	1120	North Park	625,000
#21 - Casa Grande	810	North Park	35,000
#23 - Casa Grande	1240	Signal Peak (2015)	5,000,000
#24 - Casa Grande	960	Scott Drive #3 (2025)	5,000,000
#25 - Casa Grande	1320	Casa Grande Mtn. (2035)	5,000,000
#26 - Casa Grande	1420		
#27 - Casa Grande	450		
#28 - Casa Grande	1620		
#29 - Casa Grande	1380		
#30 - Casa Grande	1000		
#31 - Casa Grande	1500		
#34 - Del Rio	1500		
#32 - Mission Royale 1	1500		
#33 - Mission Royale 2	1500		
#35 - Lowes	1500		
CAP	8900		
#36 - Carlton Commons 1	1500		
#37 - Carlton Commons 2	1500		
#38 - Cox Rd.	1500		
#39 - Peart Rd.	1500		
Additional Surface Water	9000		
Wells 40 - 46	9000		
Additional Surface Water	7000		
TOTAL PRODUCTION:	62,650	TOTAL STORAGE:	28,770,000

2015
2025
2035

Out-of-Service

Design Statement for Well Production:

The water distribution system must have sufficient capacity to meet the demand of three consecutive peak days with the largest well out of service. Total storage must never fall below 50% while maintaining the three consecutive peak days.

- 1 ADPM - Average day demand during the peak month as calculated on page 1
- 2 PDPM - Peak day demand during the peak month - ADPM x Peaking Factor
- 3 Maximum Production - Total of all wells minus the largest producer.
- 4 Net Gain/(Loss) - (3) Maximum Production minus (2) PDPM

ARIZONA WATER COMPANY

DAY ONE
STORAGE CALCULATIONS
SYSTEM - Casa Grande

* MAXIMUM PRODUCTION (gpm) = 61,030
 * MAXIMUM PRODUCTION (gph) = 3661800
 PDPM (gpd) = 49,300
 PDPM (gph)= 2,958,000

TIME	% OF AVERAGE HOUR	THOUSAND GALLONS PER HOUR			STORAGE IN 1,000 GALLONS
		USE	FROM SOURCE	TO STORAGE	
8-9 am	40	1183.20	3661.8	2478.60	28770.00
9-10 am	110	3253.80	3661.8	408.00	28770.00
10-11 am	135	3993.30	3661.8	-331.50	28438.50
11-12 noon	110	3253.80	3661.8	408.00	28770.00
12-1 am	100	2958.00	3661.8	703.80	28770.00
1-2 pm	100	2958.00	3661.8	703.80	28770.00
2-3 pm	110	3253.80	3661.8	408.00	28770.00
3-4 pm	115	3401.70	3661.8	260.10	28770.00
4-5 pm	145	4289.10	3661.8	-627.30	28142.70
5-6 pm	240	7099.20	3661.8	-3437.40	24705.30
6-7 pm	285	8430.30	3661.8	-4768.50	19936.80
7-8 pm	275	8134.50	3661.8	-4472.70	15464.10
8-9 pm	200	5916.00	3661.8	-2254.20	13209.90
9-10 pm	110	3253.80	3661.8	408.00	13617.90
10-11 pm	60	1774.80	3661.8	1887.00	15504.90
11-12 mid.	40	1183.20	3661.8	2478.60	17983.50
12-1 am	20	591.60	3661.8	3070.20	21053.70
1-2 am	10	295.80	3661.8	3366.00	24419.70
2-3 am	20	591.60	3661.8	3070.20	27489.90
3-4 am	25	739.50	3661.8	2922.30	28770.00
4-5 am	35	1035.30	3661.8	2626.50	28770.00
5-6 am	35	1035.30	3661.8	2626.50	28770.00
6-7 am	40	1183.20	3661.8	2478.60	28770.00
7-8 am	40	1183.20	3661.8	2478.60	28770.00
TOTAL	2,400	70,992			

ARIZONA WATER COMPANY

DAY TWO
STORAGE CALCULATIONS
SYSTEM - Casa Grande

* MAXIMUM PRODUCTION (gpd) = 61,030
 * MAXIMUM PRODUCTION (gph) = 3,661,800
 PDPM (gpd) = 49,300
 PDPM (gph) = 2,958,000

TIME	% OF AVERAGE HOUR	THOUSAND GALLONS PER HOUR			STORAGE IN 1,000 GALLONS
		USE	FROM SOURCE	TO STORAGE	
8-9 am	40	1183.20	3661.8	2478.60	28770.00
9-10 am	110	3253.80	3661.8	408.00	28770.00
10-11 am	135	3993.30	3661.8	-331.50	28438.50
11-12 noon	110	3253.80	3661.8	408.00	28770.00
12-1 am	100	2958.00	3661.8	703.80	28770.00
1-2 pm	100	2958.00	3661.8	703.80	28770.00
2-3 pm	110	3253.80	3661.8	408.00	28770.00
3-4 pm	115	3401.70	3661.8	260.10	28770.00
4-5 pm	145	4289.10	3661.8	-627.30	28142.70
5-6 pm	240	7099.20	3661.8	-3437.40	24705.30
6-7 pm	285	8430.30	3661.8	-4768.50	19936.80
7-8 pm	275	8134.50	3661.8	-4472.70	15464.10
8-9 pm	200	5916.00	3661.8	-2254.20	13209.90
9-10 pm	110	3253.80	3661.8	408.00	13617.90
10-11 pm	60	1774.80	3661.8	1887.00	15504.90
11-12 mid.	40	1183.20	3661.8	2478.60	17983.50
12-1 am	20	591.60	3661.8	3070.20	21053.70
1-2 am	10	295.80	3661.8	3366.00	24419.70
2-3 am	20	591.60	3661.8	3070.20	27489.90
3-4 am	25	739.50	3661.8	2922.30	28770.00
4-5 am	35	1035.30	3661.8	2626.50	28770.00
5-6 am	35	1035.30	3661.8	2626.50	28770.00
6-7 am	40	1183.20	3661.8	2478.60	28770.00
7-8 am	40	1183.20	3661.8	2478.60	28770.00
TOTAL	2,400	70,992			

ARIZONA WATER COMPANY

DAY THREE
STORAGE CALCULATIONS
SYSTEM - Casa Grande

* MAXIMUM PRODUCTION (gpd) = 61,030
 * MAXIMUM PRODUCTION (gph) = 3,661,800
 PDPM (gpd) = 49,300
 PDPM (gph) = 2,958,000

TIME	% OF AVERAGE HOUR	THOUSAND GALLONS PER HOUR			STORAGE IN 1,000 GALLONS
		USE	FROM SOURCE	TO STORAGE	
8-9 am	40	1183.20	3661.8	2478.60	28770.00
9-10 am	110	3253.80	3661.8	408.00	28770.00
10-11 am	135	3993.30	3661.8	-331.50	28438.50
11-12 noon	110	3253.80	3661.8	408.00	28770.00
12-1 am	100	2958.00	3661.8	703.80	28770.00
1-2 pm	100	2958.00	3661.8	703.80	28770.00
2-3 pm	110	3253.80	3661.8	408.00	28770.00
3-4 pm	115	3401.70	3661.8	260.10	28770.00
4-5 pm	145	4289.10	3661.8	-627.30	28142.70
5-6 pm	240	7099.20	3661.8	-3437.40	24705.30
6-7 pm	285	8430.30	3661.8	-4768.50	19936.80
7-8 pm	275	8134.50	3661.8	-4472.70	15464.10
8-9 pm	200	5916.00	3661.8	-2254.20	13209.90
9-10 pm	110	3253.80	3661.8	408.00	13617.90
10-11 pm	60	1774.80	3661.8	1887.00	15504.90
11-12 mid.	40	1183.20	3661.8	2478.60	17983.50
12-1 am	20	591.60	3661.8	3070.20	21053.70
1-2 am	10	295.80	3661.8	3366.00	24419.70
2-3 am	20	591.60	3661.8	3070.20	27489.90
3-4 am	25	739.50	3661.8	2922.30	28770.00
4-5 am	35	1035.30	3661.8	2626.50	28770.00
5-6 am	35	1035.30	3661.8	2626.50	28770.00
6-7 am	40	1183.20	3661.8	2478.60	28770.00
7-8 am	40	1183.20	3661.8	2478.60	28770.00
TOTAL	2,400	70,992			

MINIMUM STORAGE REQUIRED 29,945,100 Gallons

TOTAL STORAGE 28,770,000 Gallons

ADDITIONAL STORAGE REQUIRED 1,175,100 Gallons

ARIZONA WATER COMPANY

JULY 2045
CASA GRANDE
PINAL COUNTY, ARIZONA

Calculation to determine Average Day Peak Month demand (ADPM)

Casa Grande (2035)	69,600 Customers
Casa Grande existing CC&N (2035 - 20045) = $860 * 10$	8,600 Customers
Casa Grande proposed CC&N Extension (2035 - 20045) = $860 * 10$	<u>8,600</u> Customers
Total Customer Count (2034) =	86,800 Customers

$$\text{ADPM (2045)} = 35,200 * 850 = 73,780,000 \text{ gal./day}$$

Assumptions:

1. Casa Grande's growth rate will remain the same.
2. The growth rate for the territory within the company's CC&N extension will be the same as Casa Grande
3. The demand rate for Casa Grande and the CC&N extension will remain the same.

ARIZONA WATER COMPANY

CASA GRANDE

SYSTEM	MONTH (2045)	ADPM AVERAGE DAY PEAK MONTH (gpm)	PEAKING FACTOR	PDPM PEAK DAY PEAK MONTH (gpm)	MAXIMUM PRODUCTION (gpm) LESS ONE WELL	NET GAIN or (LOSS) (gpm)
CG	July	51,236	1.2	61,483	77,030	15,547

Source of Supply	Production (gpm)	Tank Name	Storage (gal)
#9 - Casa Grande	1000	Cottonwood	1,000,000
#10 - Casa Grande	850	Burgess Peak	2,000,000
#14 - Casa Grande	150	Casa Grande Mtn.	5,000,000
#17 - Casa Grande	730	Scott Drive #1	110,000
#19 - Casa Grande	1400	Scott Drive #2	5,000,000
#20 - Casa Grande	1120	North Park	625,000
#21 - Casa Grande	610	North Park	35,000
#23 - Casa Grande	1240	Signal Peak (2015)	5,000,000
#24 - Casa Grande	960	Scott Drive #3 (2025)	5,000,000
#25 - Casa Grande	1320	Casa Grande Mtn. (2035)	5,000,000
#26 - Casa Grande	1420	Copper SW (2045)	5,000,000
#27 - Casa Grande	450		
#28 - Casa Grande	1620		
#29 - Casa Grande	1360		
#30 - Casa Grande	1000		
#31 - Casa Grande	1500		
#34 - Del Rio	1500		
#32 - Mission Royale 1	1500		
#33 - Mission Royale 2	1500		
#35 - Lowes	1500		
CAP	8900		
#36 - Carlton Commons 1	1500		
#37 - Carlton Commons 2	1500		
#38 - Cox Rd.	1500		
#39 - Peart Rd.	1500		
Additional Surface Water	9000		
Wells 40 - 46	9000		
Additional Surface Water	7000		
Wells 47 - 53	9000		
Additional Surface Water	7000		
TOTAL PRODUCTION:	78,650	TOTAL STORAGE:	33,770,000

Out-of-Service

Design Statement for Well Production:

The water distribution system must have sufficient capacity to meet the demand of three consecutive peak days with the largest well out of service. Total storage must never fall below 50% while maintaining the three consecutive peak days.

- 1 ADPM - Average day demand during the peak month as calculated on page 1
- 2 PDPM - Peak day demand during the peak month - ADPM x Peaking Factor
- 3 Maximum Production - Total of all wells minus the largest producer.
- 4 Net Gain/(Loss) - (3) Maximum Production minus (2) PDPM

ARIZONA WATER COMPANY

**DAY ONE
STORAGE CALCULATIONS
SYSTEM - Casa Grande**

* MAXIMUM PRODUCTION (gpm) = 77,030
 * MAXIMUM PRODUCTION (gph) = 4621800
 PDPM (gpd) = 61,483
 PDPM (gph)= 3,689,000

TIME	% OF AVERAGE HOUR	THOUSAND GALLONS PER HOUR			STORAGE IN 1,000 GALLONS
		USE	FROM SOURCE	TO STORAGE	
8-9 am	40	1475.60	4621.8	3146.20	33770.00
9-10 am	110	4057.90	4621.8	563.90	33770.00
10-11 am	135	4980.15	4621.8	-358.35	33411.65
11-12 noon	110	4057.90	4621.8	563.90	33770.00
12-1 pm	100	3689.00	4621.8	932.80	33770.00
1-2 pm	100	3689.00	4621.8	932.80	33770.00
2-3 pm	110	4057.90	4621.8	563.90	33770.00
3-4 pm	115	4242.35	4621.8	379.45	33770.00
4-5 pm	145	5349.05	4621.8	-727.25	33042.75
5-6 pm	240	8853.60	4621.8	-4231.80	28810.95
6-7 pm	285	10513.65	4621.8	-5891.85	22919.10
7-8 pm	275	10144.75	4621.8	-5522.95	17396.15
8-9 pm	200	7378.00	4621.8	-2756.20	14639.95
9-10 pm	110	4057.90	4621.8	563.90	15203.85
10-11 pm	60	2213.40	4621.8	2408.40	17612.25
11-12 mid.	40	1475.60	4621.8	3146.20	20758.45
12-1 am	20	737.80	4621.8	3884.00	24642.45
1-2 am	10	368.90	4621.8	4252.90	28895.35
2-3 am	20	737.80	4621.8	3884.00	32779.35
3-4 am	25	922.25	4621.8	3699.55	33770.00
4-5 am	35	1291.15	4621.8	3330.65	33770.00
5-6 am	35	1291.15	4621.8	3330.65	33770.00
6-7 am	40	1475.60	4621.8	3146.20	33770.00
7-8 am	40	1475.60	4621.8	3146.20	33770.00
TOTAL	2,400	88,536			

ARIZONA WATER COMPANY

**DAY TWO
STORAGE CALCULATIONS
SYSTEM - Casa Grande**

* MAXIMUM PRODUCTION (gpd) = 77,030
 * MAXIMUM PRODUCTION (gph) = 4,621,800
 PDPM (gpd) = 61,483
 PDPM (gph) = 3,689,000

TIME	% OF AVERAGE HOUR	THOUSAND GALLONS PER HOUR			STORAGE IN 1,000 GALLONS
		USE	FROM SOURCE	TO STORAGE	
8-9 am	40	1475.60	4621.8	3146.20	33770.00
9-10 am	110	4057.90	4621.8	563.90	33770.00
10-11 am	135	4980.15	4621.8	-358.35	33411.65
11-12 noon	110	4057.90	4621.8	563.90	33770.00
12-1 am	100	3689.00	4621.8	932.80	33770.00
1-2 pm	100	3689.00	4621.8	932.80	33770.00
2-3 pm	110	4057.90	4621.8	563.90	33770.00
3-4 pm	115	4242.35	4621.8	379.45	33770.00
4-5 pm	145	5349.05	4621.8	-727.25	33042.75
5-6 pm	240	8853.60	4621.8	-4231.80	28810.95
6-7 pm	285	10513.65	4621.8	-5891.85	22919.10
7-8 pm	275	10144.75	4621.8	-5522.95	17396.15
8-9 pm	200	7378.00	4621.8	-2756.20	14639.95
9-10 pm	110	4057.90	4621.8	563.90	15203.85
10-11 pm	60	2213.40	4621.8	2408.40	17612.25
11-12 mid.	40	1475.60	4621.8	3146.20	20758.45
12-1 am	20	737.80	4621.8	3884.00	24642.45
1-2 am	10	368.90	4621.8	4252.90	28895.35
2-3 am	20	737.80	4621.8	3884.00	32779.35
3-4 am	25	922.25	4621.8	3699.55	33770.00
4-5 am	35	1291.15	4621.8	3330.65	33770.00
5-6 am	35	1291.15	4621.8	3330.65	33770.00
6-7 am	40	1475.60	4621.8	3146.20	33770.00
7-8 am	40	1475.60	4621.8	3146.20	33770.00
TOTAL	2,400	88,536			

ARIZONA WATER COMPANY

**DAY THREE
STORAGE CALCULATIONS
SYSTEM - Casa Grande**

* MAXIMUM PRODUCTION (gpd) = 77,030
 * MAXIMUM PRODUCTION (gph) = 4,621,800
 PDPM (gpd) = 61,483
 PDPM (gph) = 3,689,000

TIME	% OF AVERAGE HOUR	THOUSAND GALLONS PER HOUR			STORAGE IN 1,000 GALLONS
		USE	FROM SOURCE	TO STORAGE	
8-9 am	40	1475.60	4621.8	3146.20	33770.00
9-10 am	110	4057.90	4621.8	563.90	33770.00
10-11 am	135	4980.15	4621.8	-358.35	33411.65
11-12 noon	110	4057.90	4621.8	563.90	33770.00
12-1 am	100	3689.00	4621.8	932.80	33770.00
1-2 pm	100	3689.00	4621.8	932.80	33770.00
2-3 pm	110	4057.90	4621.8	563.90	33770.00
3-4 pm	115	4242.35	4621.8	379.45	33770.00
4-5 pm	145	5349.05	4621.8	-727.25	33042.75
5-6 pm	240	8853.60	4621.8	-4231.80	28810.95
6-7 pm	285	10513.65	4621.8	-5891.85	22919.10
7-8 pm	275	10144.75	4621.8	-5522.95	17396.15
8-9 pm	200	7378.00	4621.8	-2756.20	14639.95
9-10 pm	110	4057.90	4621.8	563.90	15203.85
10-11 pm	60	2213.40	4621.8	2408.40	17612.25
11-12 mid.	40	1475.60	4621.8	3146.20	20758.45
12-1 am	20	737.80	4621.8	3884.00	24642.45
1-2 am	10	368.90	4621.8	4252.90	28895.35
2-3 am	20	737.80	4621.8	3884.00	32779.35
3-4 am	25	922.25	4621.8	3699.55	33770.00
4-5 am	35	1291.15	4621.8	3330.65	33770.00
5-6 am	35	1291.15	4621.8	3330.65	33770.00
6-7 am	40	1475.60	4621.8	3146.20	33770.00
7-8 am	40	1475.60	4621.8	3146.20	33770.00
TOTAL	2,400	88,536			

MINIMUM STORAGE REQUIRED 36,015,050 Gallons

TOTAL STORAGE 33,770,000 Gallons

ADDITIONAL STORAGE REQUIRED 2,245,050 Gallons

ARIZONA WATER COMPANY

JULY 2055
CASA GRANDE
PINAL COUNTY, ARIZONA

Calculation to determine Average Day Peak Month demand (ADPM)

Casa Grande (2045)	86,800 Customers
Casa Grande existing CC&N (2045 - 2055) = $860 * 10$	8,600 Customers
Casa Grande proposed CC&N Extension (2045 - 2055) = $860 * 10$	<u>8,600</u> Customers
Total Customer Count (2055) =	104,000 Customers

$$\text{ADPM (2055)} = 35,200 * 850 = 88,400,000 \text{ gal./day}$$

Assumptions:

1. Casa Grande's growth rate will remain the same.
2. The growth rate for the territory within the company's CC&N extension will be the same as Casa Grande
3. The demand rate for Casa Grande and the CC&N extension will remain the same.

ARIZONA WATER COMPANY

CASA GRANDE

SYSTEM	MONTH (2055)	ADPM AVERAGE DAY PEAK MONTH (gpm)	PEAKING FACTOR	PDPM PEAK DAY PEAK MONTH (gpm)	MAXIMUM PRODUCTION (gpm) LESS ONE WELL	NET GAIN or (LOSS) (gpm)
CG	July	61,389	1.5	92,083	92,530	447

Source of Supply	Production (gpm)	Tank Name	Storage (gal)
#9 - Casa Grande	1000	Cottonwood	1,000,000
#10 - Casa Grande	850	Burgess Peak	2,000,000
#14 - Casa Grande	150	Casa Grande Mtn.	5,000,000
#17 - Casa Grande	730	Scott Drive #1	110,000
#19 - Casa Grande	1400	Scott Drive #2	5,000,000
#20 - Casa Grande	1120	North Park	625,000
#21 - Casa Grande	610	North Park	35,000
#23 - Casa Grande	1240	Signal Peak (2015)	5,000,000
#24 - Casa Grande	960	Scott Drive #3 (2025)	5,000,000
#25 - Casa Grande	1320	Casa Grande Mtn. (2035)	5,000,000
#26 - Casa Grande	1420	Copper SW (2045)	5,000,000
#27 - Casa Grande	450	Section 36 (2055)	5,000,000
#28 - Casa Grande	1620		
#29 - Casa Grande	1380		
#30 - Casa Grande	1000		
#31 - Casa Grande	1500		
#34 - Del Rio	1500		
#32 - Mission Royale 1	1500		
#33 - Mission Royale 2	1500		
#35 - Lowes	1500		
CAP	8900		
#36 - Carlton Commons 1	1500		
#37 - Carlton Commons 2	1500		
#38 - Cox Rd.	1500		
#39 - Peart Rd.	1500		
Additional Surface Water	9000		
Wells 40 - 46	9000		
Additional Surface Water	7000		
Wells 47 - 53	9000		
Additional Surface Water	7000		
Wells 54 - 61	10500		
Additional Surface Water	5000		
TOTAL PRODUCTION:	94,150	TOTAL STORAGE:	38,770,000

Out-of-Service

Design Statement for Well Production:

The water distribution system must have sufficient capacity to meet the demand of three consecutive peak days with the largest well out of service
 Total storage must never fall below 50% while maintaining the three consecutive peak days.

- 1 ADPM - Average day demand during the peak month as calculated on page 1
- 2 PDPM - Peak day demand during the peak month - ADPM x Peaking Factor
- 3 Maximum Production - Total of all wells minus the largest producer.
- 4 Net Gain/(Loss) - (3) Maximum Production minus (2) PDPM

ARIZONA WATER COMPANY

**DAY ONE
STORAGE CALCULATIONS
SYSTEM - Casa Grande**

* MAXIMUM PRODUCTION (gpm) = 92,530
 * MAXIMUM PRODUCTION (gph) = 5551800
 PDPM (gpd) = 92,083
 PDPM (gph)= 5,525,000

TIME	% OF AVERAGE HOUR	THOUSAND GALLONS PER HOUR			STORAGE IN 1,000 GALLONS
		USE	FROM SOURCE	TO STORAGE	
8-9 am	40	2210.00	5551.8	3341.80	38770.00
9-10 am	110	6077.50	5551.8	-525.70	38244.30
10-11 am	135	7458.75	5551.8	-1906.95	36337.35
11-12 noon	110	6077.50	5551.8	-525.70	35811.65
12-1 am	100	5525.00	5551.8	26.80	35838.45
1-2 pm	100	5525.00	5551.8	26.80	35865.25
2-3 pm	110	6077.50	5551.8	-525.70	35339.55
3-4 pm	115	6353.75	5551.8	-801.95	34537.60
4-5 pm	145	8011.25	5551.8	-2459.45	32078.15
5-6 pm	240	13260.00	5551.8	-7708.20	24369.95
6-7 pm	285	15746.25	5551.8	-10194.45	14175.50
7-8 pm	275	15193.75	5551.8	-9641.95	4533.55
8-9 pm	200	11050.00	5551.8	-5498.20	-964.65
9-10 pm	110	6077.50	5551.8	-525.70	-1490.35
10-11 pm	60	3315.00	5551.8	2236.80	746.45
11-12 mid.	40	2210.00	5551.8	3341.80	4088.25
12-1 am	20	1105.00	5551.8	4446.80	8535.05
1-2 am	10	552.50	5551.8	4999.30	13534.35
2-3 am	20	1105.00	5551.8	4446.80	17981.15
3-4 am	25	1381.25	5551.8	4170.55	22151.70
4-5 am	35	1933.75	5551.8	3618.05	25769.75
5-6 am	35	1933.75	5551.8	3618.05	29387.80
6-7 am	40	2210.00	5551.8	3341.80	32729.60
7-8 am	40	2210.00	5551.8	3341.80	36071.40
TOTAL	2,400	132,600			

ARIZONA WATER COMPANY

**DAY TWO
STORAGE CALCULATIONS
SYSTEM - Casa Grande**

* MAXIMUM PRODUCTION (gpd) = 92,530
 * MAXIMUM PRODUCTION (gph) = 5,551,800
 PDPM (gpd) = 92,083
 PDPM (gph) = 5,525,000

TIME	% OF AVERAGE HOUR	THOUSAND GALLONS PER HOUR			STORAGE IN 1,000 GALLONS
		USE	FROM SOURCE	TO STORAGE	
8-9 am	40	2210.00	5551.8	3341.80	38770.00
9-10 am	110	6077.50	5551.8	-525.70	38244.30
10-11 am	135	7458.75	5551.8	-1906.95	36337.35
11-12 noon	110	6077.50	5551.8	-525.70	35811.65
12-1 am	100	5525.00	5551.8	26.80	35838.45
1-2 pm	100	5525.00	5551.8	26.80	35865.25
2-3 pm	110	6077.50	5551.8	-525.70	35339.55
3-4 pm	115	6353.75	5551.8	-801.95	34537.60
4-5 pm	145	8011.25	5551.8	-2459.45	32078.15
5-6 pm	240	13260.00	5551.8	-7708.20	24369.95
6-7 pm	285	15746.25	5551.8	-10194.45	14175.50
7-8 pm	275	15193.75	5551.8	-9641.95	4533.55
8-9 pm	200	11050.00	5551.8	-5498.20	-964.65
9-10 pm	110	6077.50	5551.8	-525.70	-1490.35
10-11 pm	60	3315.00	5551.8	2236.80	746.45
11-12 mid.	40	2210.00	5551.8	3341.80	4088.25
12-1 am	20	1105.00	5551.8	4446.80	8535.05
1-2 am	10	552.50	5551.8	4999.30	13534.35
2-3 am	20	1105.00	5551.8	4446.80	17981.15
3-4 am	25	1381.25	5551.8	4170.55	22151.70
4-5 am	35	1933.75	5551.8	3618.05	25769.75
5-6 am	35	1933.75	5551.8	3618.05	29387.80
6-7 am	40	2210.00	5551.8	3341.80	32729.60
7-8 am	40	2210.00	5551.8	3341.80	36071.40
TOTAL	2,400	132,600			

ARIZONA WATER COMPANY

DAY THREE
STORAGE CALCULATIONS
SYSTEM - Casa Grande

* MAXIMUM PRODUCTION (gpd) = 92,530
 * MAXIMUM PRODUCTION (gph) = 5,551,800
 PDPM (gpd) = 92,083
 PDPM (gph) = 5,525,000

TIME	% OF AVERAGE HOUR	THOUSAND GALLONS PER HOUR			STORAGE IN 1,000 GALLONS
		USE	FROM SOURCE	TO STORAGE	
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9-10 am	110	6077.50	5551.8	-525.70	38244.30
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12-1 am	100	5525.00	5551.8	26.80	35838.45
1-2 pm	100	5525.00	5551.8	26.80	35865.25
2-3 pm	110	6077.50	5551.8	-525.70	35339.55
3-4 pm	115	6353.75	5551.8	-801.95	34537.60
4-5 pm	145	8011.25	5551.8	-2459.45	32078.15
5-6 pm	240	13260.00	5551.8	-7708.20	24369.95
6-7 pm	285	15746.25	5551.8	-10194.45	14175.50
7-8 pm	275	15193.75	5551.8	-9641.95	4533.55
8-9 pm	200	11050.00	5551.8	-5498.20	-964.65
9-10 pm	110	6077.50	5551.8	-525.70	-1490.35
10-11 pm	60	3315.00	5551.8	2236.80	746.45
11-12 mid.	40	2210.00	5551.8	3341.80	4088.25
12-1 am	20	1105.00	5551.8	4446.80	8535.05
1-2 am	10	552.50	5551.8	4999.30	13534.35
2-3 am	20	1105.00	5551.8	4446.80	17981.15
3-4 am	25	1381.25	5551.8	4170.55	22151.70
4-5 am	35	1933.75	5551.8	3618.05	25769.75
5-6 am	35	1933.75	5551.8	3618.05	29387.80
6-7 am	40	2210.00	5551.8	3341.80	32729.60
7-8 am	40	2210.00	5551.8	3341.80	36071.40
TOTAL	2,400	132,600			

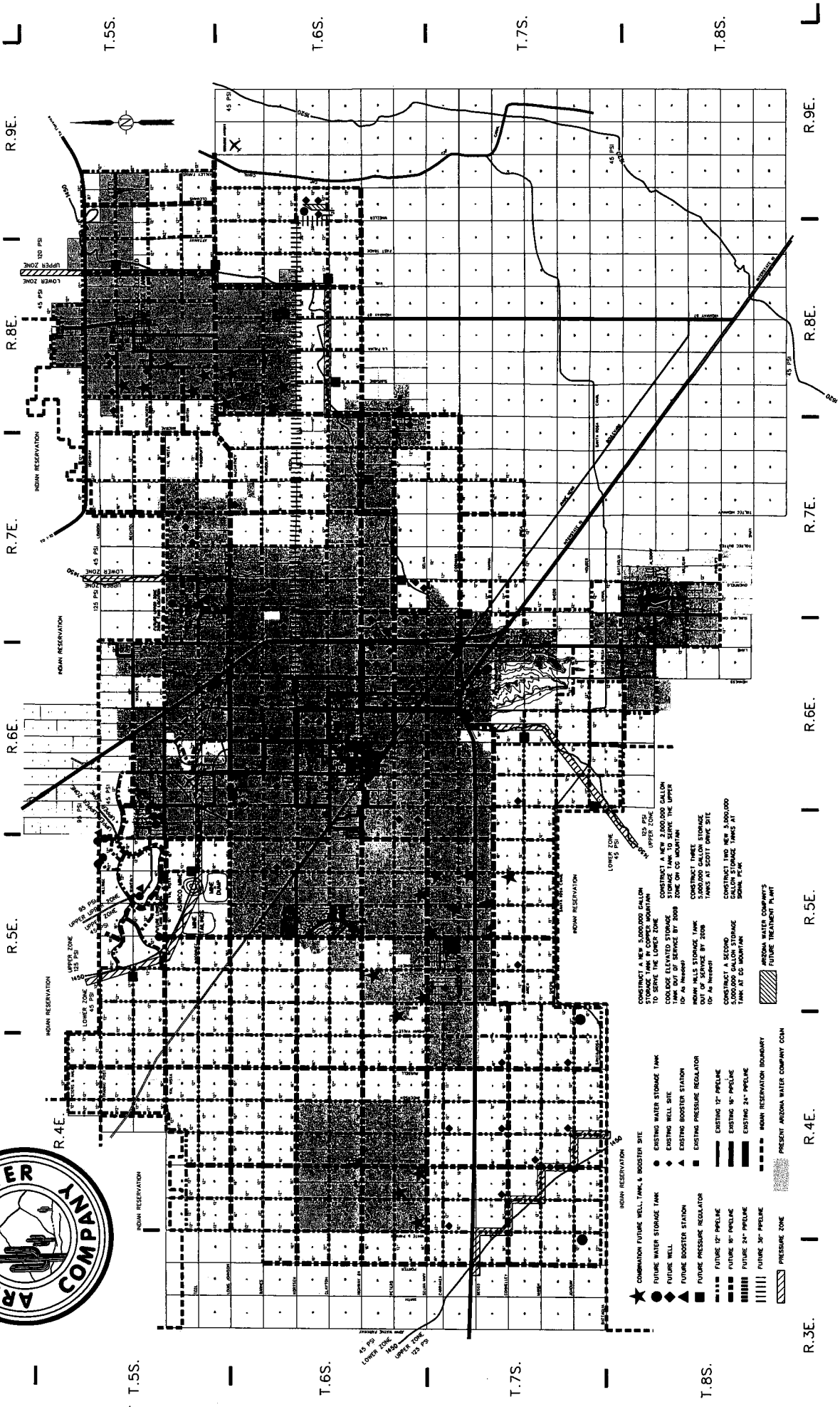
MINIMUM STORAGE REQUIRED 40,260,350 Gallons

TOTAL STORAGE 38,770,000 Gallons

ADDITIONAL STORAGE REQUIRED 1,490,350 Gallons

PINAL VALLEY WATER SYSTEM MASTER PLAN

EXHIBIT 2



CONSTRUCT A NEW 1,500,000 GALLON STORAGE TANK IN COPPER MOUNTAIN TO SERVE THE LOWER ZONE
 CONSTRUCT A 1,000,000 GALLON COOLIDGE ELEVATED STORAGE TANK OUT OF SERVICE BY 2008 ZONE ON CO MOUNTAIN
 CONSTRUCT THREE INDIAN HILLS STORAGE TANKS AT SCOTT BARK SITE
 CONSTRUCT A SECOND 5,000,000 GALLON STORAGE TANK AT CO MOUNTAIN
 CONSTRUCT TWO NEW 5,000,000 GALLON STORAGE TANKS AT SCOTT BARK

ARIZONA WATER COMPANY
 FUTURE TREATMENT PLANT

- ★ COMBINATION FUTURE WELL, TANK & BOOSTER SITE
- FUTURE WATER STORAGE TANK
- ◆ FUTURE WELL SITE
- ▲ FUTURE BOOSTER STATION
- FUTURE PRESSURE REGULATOR
- FUTURE 12" PIPELINE
- FUTURE 16" PIPELINE
- FUTURE 24" PIPELINE
- FUTURE 36" PIPELINE
- INDIAN RESERVATION BOUNDARY
- ▨ PRESENT ARIZONA WATER COMPANY COGN

T.5S.

T.6S.

T.7S.

T.8S.

R.4.E.

R.5.E.

R.6.E.

R.7.E.

R.8.E.

R.9.E.

R.3.E.

R.4.E.

R.5.E.

R.6.E.

R.7.E.

R.8.E.

R.9.E.

L

L


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* University of Kentucky Network Modeling Software *
*
* Copyrighted by KPFS 1998 *
* Version 1.200 - 01/26/2000 *
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Date & Time: Fri Jul 07 15:01:44 2006

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TABULATED OUTPUT FILENAME ----- H:\PIPE20~1\CG2055.OT2
POSTPROCESSOR RESULTS FILENAME --- H:\PIPE20~1\CG2055.RS2

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*****
SUMMARY OF ORIGINAL DATA
*****

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U N I T S S P E C I F I E D

FLOWRATE = gallons/minute
HEAD (HGL) = feet
PRESSURE = psig

R E G U L A T I N G V A L V E D A T A

VALVE LABEL	VALVE TYPE	VALVE SETTING (ft or gpm)
RV-2	PSV	1654.62

P I P E L I N E D A T A

STATUS CODE: XX -CLOSED PIPE CV -CHECK VALVE

PIPE NAME	NODE #1	NODE NAMES #2	LENGTH (ft)	DIAMETER (in)	ROUGHNESS COEFF.	MINOR LOSS COEFF.
P-1	Well 19	J-2	281.02	16.00	139.9298	0.00
P-10	J-10	J-12	5223.46	16.00	139.9298	0.00
P-100	J-74	J-17	66.00	12.00	139.9298	0.00
P-101	J-74	J-75	216.32	12.00	139.9298	0.00
P-102	J-75	J-76	47.65	24.00	139.9298	0.00
P-103	J-75	J-77	596.48	24.00	139.9298	0.00
P-104	J-75	J-80	2472.79	12.00	139.9298	0.00
P-105	J-76	J-79	2554.53	24.00	139.9298	0.00
P-106	J-79	J-81	431.37	24.00	139.9298	0.00
P-107	J-44	J-80	79.67	12.00	139.9298	0.00
P-108	J-44	J-79	42.10	12.00	139.9298	0.00
P-109	J-44	J-78	146.83	12.00	139.9298	0.00
P-111	J-6	J-11	2665.96	24.00	139.9298	0.00
P-110	J-78	J-84	76.89	12.00	139.9298	0.00
P-111	J-78	J-83	272.86	12.00	139.9298	0.00
P-112	J-84	J-477	4060.27	12.00	139.9298	0.00
P-113	J-84	J-85	86.02	24.00	139.9298	0.00
P-114	J-63	J-93	700.92	12.00	139.9298	0.00
P-115	J-11	J-86	77.13	12.00	139.9298	0.00
P-116	J-86	J-87	725.16	12.00	139.9298	0.00
P-117	J-86	J-88	1824.45	12.00	139.9298	0.00
P-118	J-11	J-94	873.19	12.00	139.9298	0.00

P-119	J-93	J-94	2451.79	8.00	139.9298	0.00
P-12	J-2	J-13	882.66	12.00	139.9298	0.00
P-120	J-107	J-451	2078.16	16.00	139.9298	0.00
P-121	J-43	J-107	5283.78	12.00	139.9298	0.00
P-122	J-110	J-109	5233.14	16.00	139.9298	0.00
P-124	J-93	J-11	1160.69	12.00	139.9298	0.00
P-127	J-68	J-110	5328.29	12.00	139.9298	0.00
P-128	J-51	J-109	5283.95	12.00	139.9298	0.00
P-129	J-83	J-97	1407.53	12.00	139.9298	0.00
P-13	J-1	J-15	2132.76	8.00	139.9298	0.00
P-130	J-103	J-132	5233.30	16.00	139.9298	0.00
P-131	J-97	J-98	844.57	12.00	139.9298	0.00
P-132	J-98	J-95	582.60	6.00	139.9298	0.00
P-133	J-98	J-102	92.17	12.00	139.9298	0.00
P-134	J-111	J-137	5265.49	16.00	139.9298	0.00
P-135	J-99	J-101	928.43	8.00	139.9298	0.00
P-136	J-102	J-99	94.88	8.00	139.9298	0.00
P-137	J-102	J-127	928.38	12.00	139.9298	0.00
P-138	J-95	J-131	1354.75	6.00	139.9298	0.00
P-139	J-95	J-105	2034.87	8.00	139.9298	0.00
P-14	J-13	J-1	441.59	12.00	139.9298	0.00
P-141	J-112	J-441	4763.25	16.00	139.9298	0.00
P-142	J-114	J-201	5308.13	16.00	139.9298	0.00
P-143	J-72	J-187	5308.87	16.00	139.9298	0.00
P-144	J-178	J-113	4663.06	16.00	139.9298	0.00
P-145	J-172	J-173	5268.86	12.00	139.9298	0.00
P-15	J-15	J-28	1175.55	8.00	139.9298	0.00
P-150	J-117	J-118	5240.21	16.00	139.9298	0.00
P-151	J-117	J-120	5256.42	12.00	139.9298	0.00
P-152	J-118	J-124	5340.95	16.00	139.9298	0.00
P-153	J-119	J-118	5378.32	12.00	139.9298	0.00
P-154	J-120	J-509	5290.99	12.00	139.9298	0.00
P-155	J-119	J-120	5257.41	12.00	139.9298	0.00
P-156	J-111	J-135	2683.04	12.00	139.9298	0.00
P-157	J-122	J-119	5256.86	12.00	139.9298	0.00
P-158	J-121	J-123	2662.34	12.00	139.9298	0.00
P-159	J-121	J-136	5256.86	12.00	139.9298	0.00
P-16	J-15	J-17	1449.18	12.00	139.9298	0.00
P-160	J-124	J-112	5208.84	16.00	139.9298	0.00
P-161	J-123	J-122	2731.46	12.00	139.9298	0.00
P-162	J-123	J-126	5258.19	12.00	139.9298	0.00
P-163	J-126	J-109	5283.09	12.00	139.9298	0.00
P-164	J-126	J-128	5382.67	12.00	139.9298	0.00
P-165	J-132	J-206	5218.91	16.00	139.9298	0.00
P-166	J-128	J-132	5213.94	12.00	139.9298	0.00
P-168	J-135	J-121	2525.81	12.00	139.9298	0.00
P-169	J-128	J-135	5273.76	12.00	139.9298	0.00
P-17	J-82	J-53	2603.80	16.00	139.9298	0.00
P-170	J-128	J-110	5220.50	12.00	139.9298	0.00
P-171	J-136	J-124	5290.99	12.00	139.9298	0.00
P-172	J-127	J-101	87.42	8.00	139.9298	0.00
P-173	J-127	J-129	334.24	12.00	139.9298	0.00
P-174	J-129	J-130	396.39	10.00	139.9298	0.00
P-175	J-129	J-131	579.92	10.00	139.9298	0.00
P-177	J-137	J-112	5286.90	16.00	139.9298	0.00
P-178	J-131	J-160	1273.32	6.00	139.9298	0.00
P-179	J-105	J-106	682.28	8.00	139.9298	0.00
P-18	J-57	J-453	2061.65	12.00	139.9298	0.00
P-180	J-136	J-137	5319.93	12.00	139.9298	0.00
P-181	J-119	J-136	5256.86	12.00	139.9298	0.00
P-182	J-118	J-146	5287.52	12.00	139.9298	0.00
P-183	J-141	J-142	5256.53	16.00	139.9298	0.00
P-184	J-113	J-435	1167.16	16.00	139.9298	0.00
P-186	J-142	J-154	5271.36	12.00	139.9298	0.00
P-187	J-105	J-151	3081.87	8.00	139.9298	0.00
P-188	J-145	J-117	5326.43	16.00	139.9298	0.00
P-19	J-19	J-37	2645.16	12.00	139.9298	0.00
P-190	J-146	J-157	5242.45	12.00	139.9298	0.00
P-191	J-145	J-146	5391.60	12.00	139.9298	0.00
P-193	J-147	J-124	5307.64	12.00	139.9298	0.00
P-195	J-146	J-147	5242.45	12.00	139.9298	0.00
P-196	J-148	J-149	5308.13	16.00	139.9298	0.00

P-197	J-147	J-148	5292.46	12.00	139.9298	0.00
P-198	J-113	J-429	5322.06	8.00	139.9298	0.00
P-199	J-154	J-147	5276.38	12.00	139.9298	0.00
P-2	J-2	J-376	2674.98	16.00	139.9298	0.00
P-20	J-25	J-19	2687.13	12.00	139.9298	0.00
P-200	J-149	J-154	5258.60	12.00	139.9298	0.00
P-201	J-157	J-141	5271.01	12.00	139.9298	0.00
P-202	J-154	J-157	5276.38	12.00	139.9298	0.00
P-203	J-158	J-145	5188.15	16.00	139.9298	0.00
P-206	J-157	J-158	5391.69	12.00	139.9298	0.00
P-207	J-153	J-160	909.60	4.00	139.9298	0.00
P-21	J-20	J-25	5206.36	12.00	139.9298	0.00
P-218	J-160	J-162	494.24	8.00	139.9298	0.00
P-219	J-162	J-161	293.38	6.00	139.9298	0.00
P-22	J-31	J-192	2634.04	12.00	139.9298	0.00
P-220	J-162	J-164	194.44	6.00	139.9298	0.00
P-221	J-164	J-153	1025.41	6.00	139.9298	0.00
P-222	J-164	J-165	151.61	6.00	139.9298	0.00
P-223	J-153	J-163	668.13	6.00	139.9298	0.00
P-224	J-153	J-166	328.73	6.00	139.9298	0.00
P-225	J-88	J-167	782.70	12.00	139.9298	0.00
P-227	J-105	J-170	1001.35	8.00	139.9298	0.00
P-228	J-172	J-142	5213.90	12.00	139.9298	0.00
P-23	J-1	J-24	3070.93	8.00	139.9298	0.00
P-230	J-173	J-434	4756.11	12.00	139.9298	0.00
P-231	J-173	J-174	5268.83	16.00	139.9298	0.00
P-233	J-175	J-172	5347.57	12.00	139.9298	0.00
P-236	J-175	Section 36	6107.51	12.00	139.9298	0.00
P-239	J-178	J-72	2608.21	16.00	139.9298	0.00
P-240	J-151	J-180	2677.88	10.00	139.9298	0.00
P-242	J-180	J-12	58.04	12.00	139.9298	0.00
P-243	J-180	J-181	609.88	12.00	139.9298	0.00
P-244	J-12	J-181	659.93	16.00	139.9298	0.00
P-245	J-181	J-185	74.12	12.00	139.9298	0.00
P-246	J-178	J-188	5284.57	12.00	139.9298	0.00
P-247	J-182	J-35	2610.33	16.00	139.9298	0.00
P-249	J-183	J-182	5239.56	12.00	139.9298	0.00
P-250	J-183	J-431	4666.84	12.00	139.9298	0.00
P-251	J-185	J-167	2006.19	12.00	139.9298	0.00
P-253	J-187	J-199	5292.61	16.00	139.9298	0.00
P-254	J-188	J-183	5325.04	12.00	139.9298	0.00
P-255	J-187	J-188	2618.26	12.00	139.9298	0.00
P-256	J-188	J-429	4648.97	12.00	139.9298	0.00
P-258	J-180	J-317	2624.46	12.00	139.9298	0.00
P-259	J-189	J-191	2529.46	16.00	139.9298	0.00
P-260	J-191	Burgess Pe	762.65	16.00	139.9298	0.00
P-261	J-191	J-326	2754.93	16.00	139.9298	0.00
P-262	J-181	Cottonwood	158.67	24.00	139.9298	0.00
P-263	J-82	CG Tank	468.34	12.00	139.9298	0.00
P-264	J-192	J-82	2646.05	12.00	139.9298	0.00
P-265	CG Tank	J-383	481.57	24.00	139.9298	0.00
P-266	J-193	J-271	3310.65	24.00	139.9298	0.00
P-267	J-193	J-194	3282.06	12.00	139.9298	0.00
P-268	J-194	J-475	2608.03	12.00	139.9298	0.00
P-269	J-195	J-189	5260.31	12.00	139.9298	0.00
P-27	J-20	J-31	5327.73	16.00	139.9298	0.00
P-270	J-212	J-108	185.86	10.00	139.9298	0.00
P-271	J-197	J-10	5270.03	16.00	139.9298	0.00
P-272	J-199	J-35	5344.30	16.00	139.9298	0.00
P-273	J-183	J-199	2617.55	12.00	139.9298	0.00
P-274	J-196	J-472	214.16	10.00	139.9298	0.00
P-275	J-200	J-72	5201.11	16.00	139.9298	0.00
P-276	J-200	J-202	2629.04	12.00	139.9298	0.00
P-277	J-201	J-200	5308.30	16.00	139.9298	0.00
P-278	J-201	J-203	2574.71	12.00	139.9298	0.00
P-279	J-202	J-428	4642.45	12.00	139.9298	0.00
P-280	J-178	J-202	5277.13	12.00	139.9298	0.00
P-281	J-197	J-198	5251.64	12.00	139.9298	0.00
P-282	J-203	J-443	4663.85	12.00	139.9298	0.00
P-283	J-202	J-203	5270.92	12.00	139.9298	0.00
P-284	J-204	J-114	2565.27	16.00	139.9298	0.00
P-285	J-203	J-204	5282.80	12.00	139.9298	0.00

P-286	J-205	J-208	5265.49	16.00	139.9298	0.00
P-287	J-205	J-433	5281.28	12.00	139.9298	0.00
P-288	J-206	J-111	2678.65	16.00	139.9298	0.00
P-289	J-206	J-440	2101.29	12.00	139.9298	0.00
P-29	J-33	J-193	1969.21	24.00	139.9298	0.00
P-290	J-208	J-210	5308.30	16.00	139.9298	0.00
P-291	J-207	J-208	2529.11	12.00	139.9298	0.00
P-292	J-207	J-209	5272.20	12.00	139.9298	0.00
P-293	J-210	J-114	5265.49	16.00	139.9298	0.00
P-294	J-209	J-210	2616.39	12.00	139.9298	0.00
P-295	J-198	J-216	5316.92	16.00	139.9298	0.00
P-296	J-198	J-213	5291.47	16.00	139.9298	0.00
P-297	J-213	J-214	2590.74	16.00	139.9298	0.00
P-298	J-213	J-215	5287.91	16.00	139.9298	0.00
P-299	J-216	J-490	1202.99	16.00	139.9298	0.00
P-3	J-4	J-3	630.56	24.00	139.9298	0.00
P-30	J-31	J-33	18.81	12.00	139.9298	0.00
P-300	J-215	J-216	5275.92	12.00	139.9298	0.00
P-301	J-214	J-506	5255.52	12.00	139.9298	0.00
P-302	J-194	J-269	9275.05	12.00	139.9298	0.00
P-303	J-267	J-14	842.97	12.00	139.9298	0.00
P-304	J-14	Well #28	226.63	12.00	139.9298	0.00
P-305	Tanger Boo	J-267	333.74	12.00	139.9298	0.00
P-306	J-14	Well #34	244.97	12.00	139.9298	0.00
P-307	J-281	J-234	5194.03	16.00	139.9298	0.00
P-308	J-217	J-240	5262.66	16.00	139.9298	0.00
P-309	J-217	J-246	5257.48	16.00	139.9298	0.00
P-310	J-218	J-244	5192.58	16.00	139.9298	0.00
P-311	J-218	J-235	5354.94	16.00	139.9298	0.00
P-312	J-219	J-228	5301.06	16.00	139.9298	0.00
P-313	J-219	J-232	5306.45	16.00	139.9298	0.00
P-314	J-220	J-226	5246.81	16.00	139.9298	0.00
P-315	J-220	J-225	5289.18	16.00	139.9298	0.00
P-316	J-221	J-342	5211.86	16.00	139.9298	0.00
P-317	J-222	J-221	5263.87	16.00	139.9298	0.00
P-318	J-222	J-223	5256.07	12.00	139.9298	0.00
P-319	J-223	J-224	5257.48	12.00	139.9298	0.00
P-32	J-24	J-28	917.56	8.00	139.9298	0.00
P-320	J-223	J-227	5257.48	12.00	139.9298	0.00
P-321	J-226	J-284	5306.25	16.00	139.9298	0.00
P-322	J-225	J-224	5290.69	16.00	139.9298	0.00
P-323	J-227	J-226	5322.41	12.00	139.9298	0.00
P-324	J-225	J-227	5257.59	12.00	139.9298	0.00
P-325	J-227	J-341	5294.06	12.00	139.9298	0.00
P-326	J-223	J-342	5295.67	12.00	139.9298	0.00
P-327	J-226	J-229	5322.40	12.00	139.9298	0.00
P-328	J-228	J-282	5346.82	16.00	139.9298	0.00
P-329	J-229	J-231	5257.88	12.00	139.9298	0.00
P-330	J-337	J-229	5295.65	12.00	139.9298	0.00
P-331	J-230	J-220	5322.39	16.00	139.9298	0.00
P-332	J-229	J-230	5257.48	12.00	139.9298	0.00
P-333	J-231	J-228	5252.37	12.00	139.9298	0.00
P-334	J-339	J-231	5190.09	12.00	139.9298	0.00
P-335	J-232	J-230	5192.58	16.00	139.9298	0.00
P-336	J-231	J-232	5322.79	12.00	139.9298	0.00
P-337	J-228	J-238	5316.02	12.00	139.9298	0.00
P-338	J-234	J-218	5257.88	16.00	139.9298	0.00
P-339	J-233	J-234	5248.85	12.00	139.9298	0.00
P-340	J-328	J-233	5276.00	12.00	139.9298	0.00
P-341	J-235	J-237	5257.59	16.00	139.9298	0.00
P-342	J-233	J-235	5246.10	12.00	139.9298	0.00
P-343	J-236	J-233	5320.88	12.00	139.9298	0.00
P-344	J-329	J-236	5276.20	12.00	139.9298	0.00
P-345	J-237	J-239	5192.98	16.00	139.9298	0.00
P-346	J-236	J-237	5212.26	12.00	139.9298	0.00
P-347	J-238	J-236	5214.46	12.00	139.9298	0.00
P-348	J-330	J-238	5208.49	12.00	139.9298	0.00
P-349	J-239	J-219	5370.92	16.00	139.9298	0.00
P-350	J-238	J-239	5277.30	12.00	139.9298	0.00
P-351	J-234	J-243	5273.74	12.00	139.9298	0.00
P-352	J-240	J-325	5292.45	16.00	139.9298	0.00
P-353	J-241	J-240	5277.35	12.00	139.9298	0.00

P-354	J-321	J-492	3126.06	12.00	139.9298	0.00
P-355	J-242	J-217	5192.58	16.00	139.9298	0.00
P-356	J-241	J-242	5266.12	12.00	139.9298	0.00
P-357	J-243	J-241	5312.94	12.00	139.9298	0.00
P-358	J-322	J-243	5315.35	12.00	139.9298	0.00
P-359	J-244	J-242	5387.30	16.00	139.9298	0.00
P-36	J-28	J-36	856.73	8.00	139.9298	0.00
P-360	J-243	J-244	5237.90	12.00	139.9298	0.00
P-361	J-326	J-245	5270.25	12.00	139.9298	0.00
P-362	J-246	J-213	5304.66	16.00	139.9298	0.00
P-363	J-245	J-246	5287.20	12.00	139.9298	0.00
P-364	J-240	J-245	5258.45	12.00	139.9298	0.00
P-365	J-245	J-491	2659.19	12.00	139.9298	0.00
P-366	J-220	J-357	5260.88	16.00	139.9298	0.00
P-367	J-219	J-358	5272.26	16.00	139.9298	0.00
P-368	J-247	J-260	5273.33	16.00	139.9298	0.00
P-369	J-247	J-261	5248.88	16.00	139.9298	0.00
P-37	J-34	J-20	5205.85	16.00	139.9298	0.00
P-370	J-247	J-348	5292.60	16.00	139.9298	0.00
P-371	J-251	J-255	5287.37	16.00	139.9298	0.00
P-372	J-251	J-510	10566.17	16.00	139.9298	0.00
P-373	J-252	J-254	5273.47	16.00	139.9298	0.00
P-374	J-253	Scott Dr.	1637.80	12.00	139.9298	0.00
P-375	J-252	J-253	5296.63	12.00	139.9298	0.00
P-376	J-267	RV-2	236.00	12.00	139.9298	0.00
P-377-CV	J-269	Tanger Boo	377.64	12.00	139.9298	0.00
P-378	@~RV-2	J-269	585.94	12.00	139.9298	0.00
P-379	J-209	J-204	5278.32	12.00	139.9298	0.00
P-38	J-34	J-39	5296.65	16.00	139.9298	0.00
P-380	J-209	J-445	4700.80	12.00	139.9298	0.00
P-381	J-35	J-290	5243.90	16.00	139.9298	0.00
P-382	J-268	J-31	5280.50	12.00	139.9298	0.00
P-383	J-270	J-318	6117.38	16.00	139.9298	0.00
P-384	J-272	J-274	2368.35	16.00	139.9298	0.00
P-385	J-270	J-268	4062.44	16.00	139.9298	0.00
P-386	J-271	J-81	4861.48	24.00	139.9298	0.00
P-387	J-268	J-271	18.29	16.00	139.9298	0.00
P-388	J-272	J-320	5323.31	12.00	139.9298	0.00
P-389	J-274	J-303	1305.02	16.00	139.9298	0.00
P-39	J-38	J-39	5265.49	12.00	139.9298	0.00
P-390	J-273	J-274	6679.06	12.00	139.9298	0.00
P-391	J-273	J-189	3026.24	12.00	139.9298	0.00
P-392	J-273	J-327	2721.30	12.00	139.9298	0.00
P-393	J-276	J-311	4504.62	16.00	139.9298	0.00
P-394	J-275	J-276	1564.27	12.00	139.9298	0.00
P-395	J-72	J-285	5290.47	16.00	139.9298	0.00
P-396	J-278	J-295	5264.25	16.00	139.9298	0.00
P-397	J-114	J-291	5317.06	16.00	139.9298	0.00
P-398	J-279	J-302	5312.75	16.00	139.9298	0.00
P-399	J-96	J-297	5263.99	16.00	139.9298	0.00
P-4	J-5	J-4	2616.78	16.00	139.9298	0.00
P-400	J-280	J-276	775.83	16.00	139.9298	0.00
P-401	J-277	J-275	9616.88	12.00	139.9298	0.00
P-402	J-280	J-335	5278.91	16.00	139.9298	0.00
P-403	J-281	J-277	982.04	12.00	139.9298	0.00
P-404	J-281	J-328	5280.52	16.00	139.9298	0.00
P-405	J-282	J-331	5211.86	16.00	139.9298	0.00
P-406	J-282	J-339	5246.82	16.00	139.9298	0.00
P-407	J-283	J-286	5280.45	16.00	139.9298	0.00
P-408	J-283	J-343	5293.81	16.00	139.9298	0.00
P-409	J-284	J-336	5260.40	16.00	139.9298	0.00
P-41	J-37	J-38	5297.58	12.00	139.9298	0.00
P-410	J-199	J-289	5280.10	12.00	139.9298	0.00
P-411	J-286	J-287	5312.75	16.00	139.9298	0.00
P-412	J-187	J-288	5279.37	12.00	139.9298	0.00
P-413	J-287	J-278	5280.36	16.00	139.9298	0.00
P-414	J-285	J-278	5233.46	16.00	139.9298	0.00
P-415	J-288	J-287	5252.73	12.00	139.9298	0.00
P-416	J-285	J-288	5310.59	12.00	139.9298	0.00
P-417	J-289	J-286	5243.82	12.00	139.9298	0.00
P-418	J-288	J-289	5286.89	12.00	139.9298	0.00
P-419	J-290	J-283	5312.75	16.00	139.9298	0.00

P-42	J-39	J-71	5308.30	16.00	139.9298	0.00
P-420	J-289	J-290	5279.27	12.00	139.9298	0.00
P-421	J-285	J-294	5277.23	12.00	139.9298	0.00
P-422	J-291	J-279	5282.09	16.00	139.9298	0.00
P-423	J-292	J-291	5288.57	12.00	139.9298	0.00
P-424	J-293	J-279	5264.25	16.00	139.9298	0.00
P-425	J-292	J-293	5336.62	12.00	139.9298	0.00
P-426	J-292	J-201	5294.94	12.00	139.9298	0.00
P-427	J-294	J-292	5245.23	12.00	139.9298	0.00
P-428	J-295	J-293	5280.45	16.00	139.9298	0.00
P-429	J-294	J-295	5248.27	12.00	139.9298	0.00
P-43	J-38	J-89	5265.32	12.00	139.9298	0.00
P-430	J-294	J-200	5308.49	12.00	139.9298	0.00
P-431	J-291	J-301	5304.98	12.00	139.9298	0.00
P-432	J-297	J-280	5260.06	16.00	139.9298	0.00
P-433	J-296	J-280	5296.94	16.00	139.9298	0.00
P-434	J-298	J-297	5279.28	12.00	139.9298	0.00
P-435	J-296	J-500	943.11	12.00	139.9298	0.00
P-436	J-298	J-205	5257.27	12.00	139.9298	0.00
P-437	J-299	J-298	5287.98	12.00	139.9298	0.00
P-438	J-208	J-299	5300.16	12.00	139.9298	0.00
P-439	J-300	J-296	5247.96	16.00	139.9298	0.00
P-44	J-36	J-42	947.94	8.00	139.9298	0.00
P-440	J-299	J-300	5331.45	12.00	139.9298	0.00
P-441	J-301	J-499	3436.65	12.00	139.9298	0.00
P-442	J-210	J-301	5257.32	12.00	139.9298	0.00
P-443	J-302	J-300	5264.25	16.00	139.9298	0.00
P-444	J-301	J-302	5299.05	12.00	139.9298	0.00
P-445	J-303	J-211	5280.45	16.00	139.9298	0.00
P-446	J-303	J-304	5306.85	12.00	139.9298	0.00
P-447	J-305	J-272	1623.17	16.00	139.9298	0.00
P-448	J-305	J-306	5281.72	16.00	139.9298	0.00
P-449	J-297	J-310	5302.00	12.00	139.9298	0.00
P-45	J-46	J-96	5222.69	16.00	139.9298	0.00
P-450	J-306	J-71	5231.79	16.00	139.9298	0.00
P-451	J-307	J-305	5280.35	16.00	139.9298	0.00
P-452	J-308	J-306	5266.79	12.00	139.9298	0.00
P-453	J-307	J-308	5246.46	12.00	139.9298	0.00
P-454	J-309	J-497	3689.38	16.00	139.9298	0.00
P-455	J-308	J-309	5309.86	12.00	139.9298	0.00
P-456	J-310	J-308	5239.74	12.00	139.9298	0.00
P-457	J-46	J-310	5326.24	12.00	139.9298	0.00
P-458	J-311	J-307	5264.15	16.00	139.9298	0.00
P-459	J-310	J-311	5273.15	12.00	139.9298	0.00
P-46	J-46	J-43	5222.51	12.00	139.9298	0.00
P-460	J-312	J-43	5329.53	12.00	139.9298	0.00
P-461	J-62	J-455	2063.88	12.00	139.9298	0.00
P-462	J-312	J-496	4000.44	12.00	139.9298	0.00
P-464	J-313	J-421	2112.78	12.00	139.9298	0.00
P-465	J-20	J-315	5258.68	12.00	139.9298	0.00
P-466	J-315	J-270	1210.82	12.00	139.9298	0.00
P-467	J-315	J-316	5282.47	12.00	139.9298	0.00
P-468	J-316	J-34	5297.73	12.00	139.9298	0.00
P-469	J-316	J-211	5202.59	12.00	139.9298	0.00
P-47	J-43	J-450	2093.47	12.00	139.9298	0.00
P-470	J-34	J-37	5247.83	12.00	139.9298	0.00
P-471	J-304	J-39	5249.47	12.00	139.9298	0.00
P-472	J-306	J-304	5307.84	12.00	139.9298	0.00
P-473	J-304	J-316	5278.39	12.00	139.9298	0.00
P-474	J-317	J-195	2658.69	12.00	139.9298	0.00
P-475	J-317	J-319	5330.48	12.00	139.9298	0.00
P-476	J-318	J-211	2231.85	16.00	139.9298	0.00
P-477	J-319	J-318	1645.24	12.00	139.9298	0.00
P-478	J-320	J-273	372.28	12.00	139.9298	0.00
P-479	J-320	J-507	1835.50	12.00	139.9298	0.00
P-48	J-48	J-70	2583.97	12.00	139.9298	0.00
P-480	J-322	J-281	5314.36	12.00	139.9298	0.00
P-481	J-321	J-322	5262.73	12.00	139.9298	0.00
P-482	J-323	J-324	5279.86	12.00	139.9298	0.00
P-483	J-321	J-323	5360.30	12.00	139.9298	0.00
P-484	J-323	J-307	5246.36	12.00	139.9298	0.00
P-485	J-324	J-322	5230.55	12.00	139.9298	0.00

P-486	J-311	J-324	5342.33	12.00	139.9298	0.00
P-487	J-321	J-325	5268.00	12.00	139.9298	0.00
P-488	J-326	J-197	5281.86	16.00	139.9298	0.00
P-489	J-325	J-326	5286.05	12.00	139.9298	0.00
P-49	J-48	J-62	5308.59	16.00	139.9298	0.00
P-490	J-327	J-321	6504.61	12.00	139.9298	0.00
P-491	J-325	J-327	3734.33	12.00	139.9298	0.00
P-492	J-328	J-329	5347.23	16.00	139.9298	0.00
P-493	J-328	J-334	5278.44	12.00	139.9298	0.00
P-494	J-329	J-330	5212.30	16.00	139.9298	0.00
P-495	J-329	J-333	5278.87	12.00	139.9298	0.00
P-496	J-330	J-282	5281.28	16.00	139.9298	0.00
P-497	J-330	J-332	5346.13	12.00	139.9298	0.00
P-498	J-331	J-279	5293.24	16.00	139.9298	0.00
P-499	J-332	J-302	5294.45	12.00	139.9298	0.00
P-5	J-3	J-7	2019.75	12.00	139.9298	0.00
P-50	J-18	J-49	2673.21	16.00	139.9298	0.00
P-500	J-331	J-332	5279.50	12.00	139.9298	0.00
P-501	J-333	J-300	5261.98	12.00	139.9298	0.00
P-502	J-332	J-333	5278.99	12.00	139.9298	0.00
P-503	J-334	J-296	5261.96	12.00	139.9298	0.00
P-504	J-333	J-334	5278.99	12.00	139.9298	0.00
P-505	J-335	J-277	4446.39	16.00	139.9298	0.00
P-506	J-334	J-335	5301.08	12.00	139.9298	0.00
P-507	J-331	J-340	5206.70	12.00	139.9298	0.00
P-508	J-336	J-278	5345.83	16.00	139.9298	0.00
P-509	J-337	J-284	5279.54	16.00	139.9298	0.00
P-51	J-50	J-18	2592.34	16.00	139.9298	0.00
P-510	J-338	J-336	5347.63	12.00	139.9298	0.00
P-511	J-337	J-338	5278.45	12.00	139.9298	0.00
P-512	J-338	J-295	5294.35	12.00	139.9298	0.00
P-513	J-339	J-337	5279.70	16.00	139.9298	0.00
P-514	J-340	J-338	5327.20	12.00	139.9298	0.00
P-515	J-339	J-340	5367.14	12.00	139.9298	0.00
P-516	J-340	J-293	5214.26	12.00	139.9298	0.00
P-517	J-341	J-284	5347.23	16.00	139.9298	0.00
P-518	J-341	J-345	5230.58	12.00	139.9298	0.00
P-519	J-342	J-341	5279.54	16.00	139.9298	0.00
P-52	J-40	J-41	1016.48	12.00	139.9298	0.00
P-520	J-342	J-344	5230.58	12.00	139.9298	0.00
P-521	J-343	J-221	5280.81	16.00	139.9298	0.00
P-522	J-344	J-286	5374.73	12.00	139.9298	0.00
P-523	J-343	J-344	5364.89	12.00	139.9298	0.00
P-524	J-345	J-287	5365.95	12.00	139.9298	0.00
P-525	J-344	J-345	5278.99	12.00	139.9298	0.00
P-526	J-345	J-336	5234.45	12.00	139.9298	0.00
P-527	J-254	J-217	5299.60	16.00	139.9298	0.00
P-528	J-254	J-257	5311.96	12.00	139.9298	0.00
P-529	J-255	J-218	5338.14	16.00	139.9298	0.00
P-53	J-42	J-40	658.77	12.00	139.9298	0.00
P-530	J-142	Well #90	895.51	12.00	139.9298	0.00
P-531	J-157	Well #89	1185.21	12.00	139.9298	0.00
P-532	J-173	Well #91	1211.74	12.00	139.9298	0.00
P-533	J-257	J-242	5261.33	12.00	139.9298	0.00
P-534	J-258	J-253	5241.38	12.00	139.9298	0.00
P-535	J-254	J-258	5214.30	12.00	139.9298	0.00
P-536	J-250	J-264	5281.30	12.00	139.9298	0.00
P-537	J-259	J-249	5251.03	12.00	139.9298	0.00
P-538	J-259	J-262	2597.84	12.00	139.9298	0.00
P-539	J-261	J-265	5312.38	16.00	139.9298	0.00
P-54	J-50	J-58	5222.51	12.00	139.9298	0.00
P-540	J-260	J-249	2700.53	16.00	139.9298	0.00
P-541	J-262	J-261	5357.55	12.00	139.9298	0.00
P-542	J-260	J-262	5288.56	12.00	139.9298	0.00
P-543	J-262	J-263	5270.97	12.00	139.9298	0.00
P-544	J-264	J-513	2636.29	12.00	139.9298	0.00
P-545	J-263	J-264	5308.21	12.00	139.9298	0.00
P-546	J-265	J-250	5287.37	16.00	139.9298	0.00
P-547	J-263	J-265	5205.13	12.00	139.9298	0.00
P-548	J-250	J-512	5297.55	12.00	139.9298	0.00
P-549	J-266	J-265	5298.24	12.00	139.9298	0.00
P-55	J-41	J-44	928.81	12.00	139.9298	0.00

P-550	J-266	J-350	5326.90	12.00	139.9298	0.00
P-551	J-347	J-251	5331.21	16.00	139.9298	0.00
P-552	J-346	J-347	5275.34	12.00	139.9298	0.00
P-553	J-346	J-351	5270.57	12.00	139.9298	0.00
P-554	J-348	J-352	5273.47	16.00	139.9298	0.00
P-555	J-349	J-261	5202.29	12.00	139.9298	0.00
P-556	J-348	J-349	5237.07	12.00	139.9298	0.00
P-557	J-349	J-266	5270.47	12.00	139.9298	0.00
P-558	J-82	J-383	19.63	12.00	139.9298	0.00
P-559	J-351	J-349	5345.86	12.00	139.9298	0.00
P-560	J-350	J-351	5232.79	12.00	139.9298	0.00
P-561	J-352	J-347	5273.33	16.00	139.9298	0.00
P-562	J-351	J-352	5312.99	12.00	139.9298	0.00
P-563	J-353	J-259	5270.43	12.00	139.9298	0.00
P-564	J-263	J-353	2673.13	12.00	139.9298	0.00
P-565	J-224	J-355	5272.51	12.00	139.9298	0.00
P-566	J-354	J-248	5270.99	12.00	139.9298	0.00
P-567	J-354	J-356	2630.79	12.00	139.9298	0.00
P-568	J-355	J-515	2698.24	12.00	139.9298	0.00
P-569	J-356	J-225	5307.74	12.00	139.9298	0.00
P-57	J-49	J-52	2696.87	16.00	139.9298	0.00
P-570	J-355	J-356	5295.41	12.00	139.9298	0.00
P-571	J-357	J-248	2656.19	16.00	139.9298	0.00
P-572	J-356	J-357	5309.64	12.00	139.9298	0.00
P-573	J-248	J-359	5285.95	12.00	139.9298	0.00
P-574	J-230	J-361	5306.44	12.00	139.9298	0.00
P-575	J-359	J-514	2630.79	12.00	139.9298	0.00
P-576	J-260	J-360	5305.07	12.00	139.9298	0.00
P-577	J-358	J-247	5311.83	16.00	139.9298	0.00
P-578	J-360	J-232	5306.49	12.00	139.9298	0.00
P-579	J-358	J-360	5241.15	12.00	139.9298	0.00
P-580	J-361	J-359	2597.12	12.00	139.9298	0.00
P-581	J-360	J-361	5295.30	12.00	139.9298	0.00
P-582	J-361	J-357	5264.50	12.00	139.9298	0.00
P-583	J-358	J-364	5290.51	12.00	139.9298	0.00
P-584	J-362	J-255	5319.16	12.00	139.9298	0.00
P-585	J-235	J-362	5269.97	12.00	139.9298	0.00
P-586	J-362	J-347	5347.90	12.00	139.9298	0.00
P-587	J-363	J-362	5261.69	12.00	139.9298	0.00
P-588	J-352	J-363	5314.13	12.00	139.9298	0.00
P-589	J-363	J-237	5337.44	12.00	139.9298	0.00
P-59	J-53	J-25	2640.40	12.00	139.9298	0.00
P-590	J-364	J-363	5261.58	12.00	139.9298	0.00
P-591	J-239	J-364	5273.28	12.00	139.9298	0.00
P-592	J-364	J-348	5352.60	12.00	139.9298	0.00
P-593	J-215	J-370	5269.21	16.00	139.9298	0.00
P-594	J-314	J-391	2658.10	16.00	139.9298	0.00
P-595	J-314	Well #81	1000.90	12.00	139.9298	0.00
P-596	J-314	Well #80	933.68	12.00	139.9298	0.00
P-597	J-366	J-493	1978.45	16.00	139.9298	0.00
P-598	J-369	J-4	5295.75	16.00	139.9298	0.00
P-599	J-369	J-371	5295.52	12.00	139.9298	0.00
P-6	J-7	J-8	2632.12	12.00	139.9298	0.00
P-60	J-53	J-52	5256.25	16.00	139.9298	0.00
P-600	J-370	J-366	5307.81	16.00	139.9298	0.00
P-601	J-371	J-216	5265.05	12.00	139.9298	0.00
P-602	J-370	J-371	5342.73	12.00	139.9298	0.00
P-603	J-371	J-489	1195.16	12.00	139.9298	0.00
P-604	J-4	J-488	2618.88	36.00	140.0000	0.00
P-605	J-214	J-505	2715.38	12.00	139.9298	0.00
P-606	J-372	J-215	5263.87	12.00	139.9298	0.00
P-607	J-372	J-374	5283.99	12.00	139.9298	0.00
P-608	J-374	J-370	5241.41	12.00	139.9298	0.00
P-609	J-374	J-366	9050.99	12.00	139.9298	0.00
P-61	J-54	J-49	5308.30	12.00	139.9298	0.00
P-610	J-369	J-375	5025.04	12.00	139.9298	0.00
P-611	J-376	J-5	2686.10	16.00	139.9298	0.00
P-612	J-376	J-377	5110.89	12.00	139.9298	0.00
P-613	J-77	J-378	2065.62	24.00	139.9298	0.00
P-614	J-378	J-480	2395.91	24.00	139.9298	0.00
P-615	J-378	J-13	1704.35	12.00	139.9298	0.00
P-616	J-379	J-465	1458.62	16.00	139.9298	0.00

P-617	J-378	J-481	2190.50	12.00	139.9298	0.00
P-618	J-381	J-479	4065.57	12.00	139.9298	0.00
P-619	J-381	J-385	5308.88	12.00	139.9298	0.00
P-62	J-54	J-502	5247.13	12.00	139.9298	0.00
P-620	J-383	J-33	5281.31	24.00	139.9298	0.00
P-621	J-384	J-383	5254.93	12.00	139.9298	0.00
P-622	J-384	J-269	4993.18	12.00	139.9298	0.00
P-623	J-385	J-384	5285.15	12.00	139.9298	0.00
P-624	J-385	J-474	2675.75	12.00	139.9298	0.00
P-625	J-366	J-468	5361.18	16.00	139.9298	0.00
P-626	J-388	J-404	5304.10	36.00	140.0000	0.00
P-627	J-387	J-402	5261.52	16.00	139.9298	0.00
P-628	J-387	J-392	5312.04	16.00	139.9298	0.00
P-629	J-389	J-373	5211.59	36.00	140.0000	0.00
P-63	J-55	J-54	5308.16	12.00	139.9298	0.00
P-630	J-390	J-399	5254.55	16.00	139.9298	0.00
P-631	J-390	J-397	5254.55	16.00	139.9298	0.00
P-632	J-392	J-471	2614.94	16.00	139.9298	0.00
P-633	J-391	J-393	5262.53	12.00	139.9298	0.00
P-634	J-393	J-504	5250.75	12.00	139.9298	0.00
P-635	J-393	J-396	5296.21	12.00	139.9298	0.00
P-636	J-395	J-390	5254.55	16.00	139.9298	0.00
P-637	J-394	J-392	5285.98	12.00	139.9298	0.00
P-638	J-396	J-395	5285.82	12.00	139.9298	0.00
P-639	J-394	J-396	5296.16	12.00	139.9298	0.00
P-64	J-55	J-59	5222.51	12.00	139.9298	0.00
P-640	J-397	J-314	2656.70	16.00	139.9298	0.00
P-641	J-396	J-368	3682.48	12.00	139.9298	0.00
P-642	J-391	J-503	5272.54	12.00	139.9298	0.00
P-643	J-398	J-373	5254.96	12.00	139.9298	0.00
P-644	J-399	J-389	5309.44	16.00	139.9298	0.00
P-645	J-398	J-399	5297.67	12.00	139.9298	0.00
P-646	J-400	J-398	5305.71	12.00	139.9298	0.00
P-647	J-400	J-390	5297.37	12.00	139.9298	0.00
P-648	J-401	J-400	5266.27	12.00	139.9298	0.00
P-649	J-401	J-397	5336.97	12.00	139.9298	0.00
P-65	J-57	J-50	5277.53	16.00	139.9298	0.00
P-650	J-399	J-406	5254.71	12.00	139.9298	0.00
P-651	J-402	J-388	5287.72	16.00	139.9298	0.00
P-652	J-403	J-486	2601.83	12.00	139.9298	0.00
P-653	J-392	J-403	5272.12	12.00	139.9298	0.00
P-654	J-404	J-405	5304.10	36.00	140.0000	0.00
P-655	J-403	J-404	5291.72	12.00	139.9298	0.00
P-656	J-405	J-389	5304.10	36.00	140.0000	0.00
P-657	J-406	J-403	5305.86	12.00	139.9298	0.00
P-658	J-405	J-406	5331.30	12.00	139.9298	0.00
P-659	J-395	J-406	5232.27	12.00	139.9298	0.00
P-66	J-56	J-57	5297.51	12.00	139.9298	0.00
P-660	J-389	J-411	5285.69	16.00	139.9298	0.00
P-661	J-407	J-415	5270.52	16.00	139.9298	0.00
P-662	J-407	J-427	2068.49	12.00	139.9298	0.00
P-663	J-409	J-407	5211.96	16.00	139.9298	0.00
P-664	J-409	J-416	5329.40	12.00	139.9298	0.00
P-665	J-410	J-409	5329.08	16.00	139.9298	0.00
P-666	J-410	J-417	5270.52	12.00	139.9298	0.00
P-667	J-411	J-418	5270.84	16.00	139.9298	0.00
P-668	J-412	J-405	5227.90	12.00	139.9298	0.00
P-669	J-411	J-412	5387.96	12.00	139.9298	0.00
P-67	J-58	J-54	5308.30	12.00	139.9298	0.00
P-670	J-413	J-404	5227.12	12.00	139.9298	0.00
P-671	J-412	J-413	5211.96	12.00	139.9298	0.00
P-672	J-414	J-388	5227.24	16.00	139.9298	0.00
P-673	J-413	J-414	5270.52	12.00	139.9298	0.00
P-674	J-415	J-414	5329.08	16.00	139.9298	0.00
P-675	J-416	J-413	5270.52	12.00	139.9298	0.00
P-676	J-415	J-416	5270.84	12.00	139.9298	0.00
P-677	J-417	J-412	5329.40	12.00	139.9298	0.00
P-678	J-416	J-417	5270.84	12.00	139.9298	0.00
P-679	J-418	J-422	5270.52	16.00	139.9298	0.00
P-68	J-56	J-58	5273.04	12.00	139.9298	0.00
P-680	J-417	J-418	5270.52	12.00	139.9298	0.00
P-681	J-418	J-420	5270.52	12.00	139.9298	0.00

P-682	J-419	J-373	5298.41	12.00	139.9298	0.00
P-683	J-419	J-411	5231.09	12.00	139.9298	0.00
P-684	J-420	J-419	5254.99	12.00	139.9298	0.00
P-685	J-380	Well #29	313.21	12.00	139.9298	0.00
P-686	J-422	J-410	5270.52	16.00	139.9298	0.00
P-687	J-407	J-313	3157.74	12.00	139.9298	0.00
P-688	J-380	J-424	326.52	12.00	139.9298	0.00
P-689	J-386	J-473	803.18	12.00	139.9298	0.00
P-69	J-59	J-60	5308.30	12.00	139.9298	0.00
P-690	J-424	J-408	3550.61	12.00	139.9298	0.00
P-691	J-424	J-423	3213.71	12.00	139.9298	0.00
P-692	J-423	J-470	1387.59	12.00	139.9298	0.00
P-693	J-423	J-427	2829.26	12.00	139.9298	0.00
P-694	J-427	J-408	2395.13	12.00	139.9298	0.00
P-696	J-387	Signal Pea	5312.60	16.00	139.9298	0.00
P-697	Signal Pea	J-394	5292.91	12.00	139.9298	0.00
P-698	J-251	Copper SW	855.65	24.00	139.9298	0.00
P-699	J-415	J-463	2840.65	12.00	139.9298	0.00
P-7	J-8	J-484	2064.89	24.00	139.9298	0.00
P-70	J-58	J-59	5351.36	12.00	139.9298	0.00
P-700	J-447	J-132	2190.14	12.00	139.9298	0.00
P-701	J-428	J-113	5223.87	8.00	139.9298	0.00
P-702	J-430	J-182	4683.94	16.00	139.9298	0.00
P-703	J-431	J-429	5307.39	8.00	139.9298	0.00
P-704	J-430	J-431	5243.97	8.00	139.9298	0.00
P-705	J-174	J-432	4745.87	12.00	139.9298	0.00
P-706	J-437	J-142	5274.11	16.00	139.9298	0.00
P-707	J-313	Well #35	606.49	12.00	139.9298	0.00
P-709	J-434	J-432	5362.37	8.00	139.9298	0.00
P-71	J-60	J-56	5331.85	12.00	139.9298	0.00
P-710	J-435	J-437	4764.99	16.00	139.9298	0.00
P-711	J-435	J-434	5282.32	8.00	139.9298	0.00
P-712	J-436	J-149	4749.29	12.00	139.9298	0.00
P-713	J-436	J-435	5247.93	8.00	139.9298	0.00
P-714	J-173	J-437	5280.76	16.00	139.9298	0.00
P-715	J-437	J-149	5250.43	16.00	139.9298	0.00
P-716	J-433	J-452	2041.55	12.00	139.9298	0.00
P-717	J-107	J-498	1651.64	12.00	139.9298	0.00
P-718	J-438	J-207	2709.85	12.00	139.9298	0.00
P-719	J-433	J-438	5300.23	12.00	139.9298	0.00
P-72	J-60	J-64	5308.30	12.00	139.9298	0.00
P-720	J-439	J-137	4738.45	12.00	139.9298	0.00
P-721	J-440	J-447	5271.76	8.00	139.9298	0.00
P-722	J-439	J-440	5314.81	8.00	139.9298	0.00
P-723	J-441	J-444	1140.37	16.00	139.9298	0.00
P-724	J-439	J-441	5271.01	8.00	139.9298	0.00
P-725	J-442	J-148	4727.69	12.00	139.9298	0.00
P-726	J-441	J-442	5284.53	8.00	139.9298	0.00
P-727	J-442	J-436	5283.01	8.00	139.9298	0.00
P-728	J-448	J-103	2119.91	16.00	139.9298	0.00
P-729	J-428	J-443	5335.28	8.00	139.9298	0.00
P-73	J-62	J-61	5265.49	16.00	139.9298	0.00
P-730	J-444	J-204	4688.63	16.00	139.9298	0.00
P-731	J-443	J-444	5263.14	8.00	139.9298	0.00
P-732	J-447	J-448	5260.13	8.00	139.9298	0.00
P-733	J-444	J-445	5255.89	8.00	139.9298	0.00
P-734	J-446	J-438	2093.34	12.00	139.9298	0.00
P-735	J-445	J-446	5319.25	8.00	139.9298	0.00
P-736	J-449	J-48	2141.47	12.00	139.9298	0.00
P-737	J-448	J-449	5270.77	8.00	139.9298	0.00
P-738	J-37	J-459	2122.78	12.00	139.9298	0.00
P-739	J-451	J-448	1079.25	16.00	139.9298	0.00
P-74	J-61	J-57	5274.55	16.00	139.9298	0.00
P-740	J-450	J-451	5322.79	8.00	139.9298	0.00
P-741	J-38	J-454	2094.08	12.00	139.9298	0.00
P-742	J-451	J-452	5238.73	8.00	139.9298	0.00
P-743	J-452	J-446	5265.99	8.00	139.9298	0.00
P-744	J-402	J-461	4974.80	12.00	139.9298	0.00
P-745	J-449	J-455	5285.03	8.00	139.9298	0.00
P-746	J-456	J-61	2078.53	16.00	139.9298	0.00
P-747	J-455	J-456	5297.40	8.00	139.9298	0.00
P-748	J-457	J-312	2097.42	12.00	139.9298	0.00

P-749	J-450	J-457	5299.68	8.00	139.9298	0.00
P-75	J-61	J-66	5222.51	12.00	139.9298	0.00
P-750	J-458	J-456	1098.86	16.00	139.9298	0.00
P-751	J-457	J-458	5229.82	8.00	139.9298	0.00
P-752	J-458	J-454	5279.70	8.00	139.9298	0.00
P-753	J-459	J-460	1124.64	12.00	139.9298	0.00
P-754	J-454	J-459	5280.56	8.00	139.9298	0.00
P-755	J-460	J-50	2074.67	12.00	139.9298	0.00
P-756	J-460	J-453	5270.22	8.00	139.9298	0.00
P-757	J-453	J-456	5265.86	8.00	139.9298	0.00
P-758	J-414	J-462	5020.44	12.00	139.9298	0.00
P-759	J-463	J-470	1516.86	12.00	139.9298	0.00
P-76	J-65	J-495	2659.20	12.00	139.9298	0.00
P-760	J-463	J-464	2159.18	12.00	139.9298	0.00
P-761	J-465	J-478	2050.47	16.00	139.9298	0.00
P-762	J-465	J-377	5274.56	8.00	139.9298	0.00
P-763	J-464	J-462	5274.09	8.00	139.9298	0.00
P-764	J-466	J-487	1053.11	36.00	140.0000	0.00
P-765	J-462	J-466	5287.30	8.00	139.9298	0.00
P-766	J-467	J-466	497.49	36.00	140.0000	0.00
P-767	J-377	J-483	2654.22	8.00	139.9298	0.00
P-768	J-467	J-375	5297.26	8.00	139.9298	0.00
P-769	J-466	J-461	5314.09	8.00	139.9298	0.00
P-77	J-64	J-67	5308.82	12.00	139.9298	0.00
P-770	J-468	J-387	5197.10	16.00	139.9298	0.00
P-771	J-461	J-468	5273.54	12.00	139.9298	0.00
P-773	J-427	Well #32	1276.66	12.00	139.9298	0.00
P-775	J-470	Well #33	245.92	12.00	140.0000	0.00
P-776	J-73	J-376	2639.46	12.00	139.9298	0.00
P-777	J-73	Well #31	828.44	12.00	139.9298	0.00
P-778	J-471	J-395	2639.61	16.00	139.9298	0.00
P-779	J-471	Well #27	510.07	8.00	139.9298	0.00
P-78	J-66	J-65	5308.82	12.00	139.9298	0.00
P-780	J-373	CAP Plant	20.00	36.00	140.0000	0.00
P-781	J-368	J-397	1572.16	12.00	139.9298	0.00
P-782	J-473	J-421	4741.43	12.00	139.9298	0.00
P-783	J-473	Well #36	591.64	12.00	139.9298	0.00
P-784	J-474	J-386	2346.46	12.00	139.9298	0.00
P-785	J-474	Well #37	1113.57	12.00	139.9298	0.00
P-786	J-475	J-476	2655.18	12.00	139.9298	0.00
P-787	J-475	Well #38	705.47	12.00	139.9298	0.00
P-788	J-381	Well #39	577.77	12.00	139.9298	0.00
P-789	J-476	J-76	5284.64	12.00	139.9298	0.00
P-79	J-64	J-66	5350.93	12.00	139.9298	0.00
P-790	J-271	J-476	2639.13	12.00	139.9298	0.00
P-791	J-476	J-381	2628.28	12.00	139.9298	0.00
P-792	J-477	J-268	1236.57	12.00	139.9298	0.00
P-793	J-477	Well #40	508.98	12.00	139.9298	0.00
P-794	J-478	J-380	381.07	16.00	139.9298	0.00
P-795	J-478	Well #41	242.56	12.00	139.9298	0.00
P-796	J-479	J-382	762.39	12.00	139.9298	0.00
P-797	J-479	Well #42	394.09	12.00	139.9298	0.00
P-798	J-480	J-379	1206.39	24.00	139.9298	0.00
P-799	J-480	Well #43	729.49	12.00	139.9298	0.00
P-8	J-8	J-485	1706.51	24.00	139.9298	0.00
P-80	J-66	J-56	5276.52	12.00	139.9298	0.00
P-800	J-481	J-381	3080.32	12.00	139.9298	0.00
P-801	J-481	Well #62	982.44	12.00	139.9298	0.00
P-802	J-482	J-467	560.43	36.00	140.0000	0.00
P-803	J-482	Well #63	704.34	12.00	140.0000	0.00
P-804	J-483	J-467	2626.70	8.00	139.9298	0.00
P-805	J-483	Well #64	501.19	12.00	139.9298	0.00
P-806	J-484	J-6	520.43	24.00	139.9298	0.00
P-807	J-484	Well #65	692.90	12.00	139.9298	0.00
P-808	J-88	Well #66	1162.63	12.00	139.9298	0.00
P-809	J-485	J-10	3585.82	24.00	139.9298	0.00
P-81	J-67	J-65	5179.70	12.00	139.9298	0.00
P-810	J-485	Well #67	781.16	12.00	139.9298	0.00
P-811	J-486	J-402	2654.85	12.00	139.9298	0.00
P-812	J-486	Well #68	580.83	12.00	139.9298	0.00
P-813	J-487	J-388	3928.71	36.00	140.0000	0.00
P-814	J-487	Well #69	829.01	12.00	140.0000	0.00

P-815	J-488	J-482	1881.25	36.00	140.0000	0.00
P-816	J-488	Well #70	983.45	12.00	140.0000	0.00
P-817	J-375	Well #71	758.86	12.00	140.0000	0.00
P-818	J-489	J-8	4064.26	12.00	139.9298	0.00
P-819	J-489	Well #72	754.97	12.00	139.9298	0.00
P-82	J-67	J-51	5268.53	12.00	139.9298	0.00
P-820	J-490	J-9	3837.48	16.00	139.9298	0.00
P-821	J-490	Well #73	797.76	12.00	139.9298	0.00
P-822	J-491	J-198	2607.68	12.00	139.9298	0.00
P-823	J-491	Well #74	1503.03	12.00	139.9298	0.00
P-824	J-492	J-241	2127.35	12.00	139.9298	0.00
P-825	J-492	Well #75	702.54	12.00	139.9298	0.00
P-826	J-493	J-369	3268.74	16.00	139.9298	0.00
P-827	J-493	Well #76	2169.39	12.00	139.9298	0.00
P-828	J-83	Well #77	735.64	12.00	139.9298	0.00
P-83	J-68	J-51	5265.32	12.00	139.9298	0.00
P-830	J-103	Well #58	548.04	12.00	139.9298	0.00
P-831	J-494	J-48	3858.09	16.00	139.9298	0.00
P-832	J-494	Well #59	362.11	12.00	139.9298	0.00
P-833	J-48	Well #60	472.13	12.00	139.9298	0.00
P-834	J-495	J-62	2691.88	12.00	139.9298	0.00
P-835	J-495	Well #61	658.02	12.00	139.9298	0.00
P-836	J-457	Well #57	544.40	12.00	139.9298	0.00
P-837	J-496	J-309	1265.05	12.00	139.9298	0.00
P-838	J-496	Well #56	729.63	12.00	139.9298	0.00
P-839	J-497	J-46	1597.52	16.00	139.9298	0.00
P-84	J-65	J-68	5269.23	12.00	139.9298	0.00
P-840	J-497	Well #55	451.09	12.00	139.9298	0.00
P-841	J-43	Well #54	809.54	12.00	139.9298	0.00
P-842	J-96	Well #53	777.43	12.00	139.9298	0.00
P-843	J-498	J-433	3588.30	12.00	139.9298	0.00
P-844	J-498	Well #51	567.42	12.00	139.9298	0.00
P-845	J-207	Well #50	1844.59	12.00	139.9298	0.00
P-846	J-107	Well #52	802.57	12.00	139.9298	0.00
P-847	J-208	Well #49	880.79	12.00	139.9298	0.00
P-848	J-499	J-299	1817.93	12.00	139.9298	0.00
P-849	J-499	Well #48	999.00	12.00	139.9298	0.00
P-85	J-70	J-68	2611.19	12.00	139.9298	0.00
P-850	J-500	J-298	4388.40	12.00	139.9298	0.00
P-851	J-500	Well #47	1094.11	12.00	139.9298	0.00
P-852	J-199	Well #44	925.42	12.00	139.9298	0.00
P-853	J-288	Well #45	759.90	12.00	139.9298	0.00
P-854	J-72	Well #46	680.68	12.00	139.9298	0.00
P-855	J-501	J-55	5351.11	12.00	139.9298	0.00
P-856	J-502	J-501	5351.62	12.00	139.9298	0.00
P-857	J-503	J-401	5306.30	12.00	139.9298	0.00
P-858	J-504	J-394	5273.48	12.00	139.9298	0.00
P-859	J-505	J-372	6350.43	12.00	139.9298	0.00
P-86	J-100	J-110	2645.58	16.00	139.9298	0.00
P-860	J-506	J-258	3093.01	12.00	139.9298	0.00
P-861	J-507	J-323	5327.20	12.00	139.9298	0.00
P-863	J-509	J-122	5120.34	12.00	139.9298	0.00
P-864	J-510	J-252	5234.84	16.00	139.9298	0.00
P-865	J-42	J-94	1801.30	12.00	139.9298	0.00
P-866	J-512	J-266	5270.57	12.00	139.9298	0.00
P-867	J-513	J-353	5270.43	12.00	139.9298	0.00
P-868	J-514	J-249	2580.61	12.00	139.9298	0.00
P-869	J-515	J-354	5295.41	12.00	139.9298	0.00
P-87	J-71	J-309	5265.49	16.00	139.9298	0.00
P-870	J-368	Well #79	787.75	12.00	139.9298	0.00
P-871	J-396	Well #78	1094.00	12.00	139.9298	0.00
P-872	J-257	J-510	5311.96	12.00	139.9298	0.00
P-873	J-129	J-161	1343.68	12.00	139.9298	0.00
P-874	J-161	J-319	2675.65	12.00	139.9298	0.00
P-875	J-319	J-211	2603.09	12.00	139.9298	0.00
P-876	J-108	J-197	1192.32	10.00	139.9298	0.00
P-877	J-472	J-195	2649.48	10.00	139.9298	0.00
P-878	J-108	J-472	1433.22	12.00	139.9298	0.00
P-879	J-420	J-511	20.00	12.00	139.9298	0.00
P-88	J-89	J-312	5222.51	12.00	139.9298	0.00
P-880	J-419	J-516	20.00	12.00	139.9298	0.00
P-881	J-398	J-517	20.00	12.00	139.9298	0.00

P-882	J-400	J-518	20.00	12.00	139.9298	0.00
P-883	J-56	Well #82	554.40	12.00	140.0000	0.00
P-884	J-128	Well #83	515.26	12.00	140.0000	0.00
P-885	J-118	Well #84	789.64	12.00	140.0000	0.00
P-886	J-112	Well #85	646.45	12.00	140.0000	0.00
P-887	J-149	Well #86	663.27	12.00	140.0000	0.00
P-888	J-202	Well #87	325.87	12.00	140.0000	0.00
P-889	J-183	Well #88	706.55	12.00	140.0000	0.00
P-89	J-71	J-89	5308.13	16.00	139.9298	0.00
P-9	J-10	J-9	207.77	16.00	139.9298	0.00
P-90	J-89	J-458	2103.73	16.00	139.9298	0.00
P-91	J-96	J-205	5308.13	16.00	139.9298	0.00
P-92	J-96	J-107	5274.92	16.00	139.9298	0.00
P-93	J-112	J-148	5265.32	16.00	139.9298	0.00
P-94	J-69	J-36	116.01	8.00	139.9298	0.00
P-95	J-103	J-100	2649.01	16.00	139.9298	0.00
P-96	J-103	J-494	1425.74	16.00	139.9298	0.00
P-97	J-63	J-73	688.23	12.00	139.9298	0.00
P-98	J-73	J-24	2673.64	12.00	139.9298	0.00
P-99	J-24	J-74	2385.58	12.00	139.9298	0.00

END NODE DATA

NODE NAME	NODE TITLE	EXTERNAL DEMAND (gpm)	JUNCTION ELEVATION (ft)	EXTERNAL GRADE (ft)
Burgess Pe		----	1566.00	1566.00
CAP Plant		-29400.00	1426.00	
CG Tank		----	1566.00	1566.00
Copper SW		----	1566.00	1566.00
Cottonwood		-5170.00	1397.00	
J-1		0.00	1415.00	
J-10		507.00	1389.00	
J-100		0.00	1385.00	
J-101		0.00	1408.00	
J-102		0.00	1409.00	
J-103		148.00	1381.00	
J-105		0.00	1404.00	
J-106		0.00	1404.00	
J-107		254.00	1374.00	
J-108		0.00	1385.00	
J-109		148.00	1396.00	
J-11		507.00	1402.00	
J-110		296.00	1389.00	
J-111		296.00	1368.00	
J-112		296.00	1353.00	
J-113		148.00	1350.00	
J-114		148.00	1330.00	
J-117		148.00	1379.00	
J-118		296.00	1370.00	
J-119		296.00	1375.00	
J-12		0.00	1397.00	
J-120		148.00	1380.00	
J-121		296.00	1375.00	
J-122		148.00	1382.00	
J-123		148.00	1378.00	
J-124		296.00	1360.00	
J-126		148.00	1385.00	
J-127		0.00	1408.00	
J-128		296.00	1381.00	
J-129		0.00	1408.00	
J-13		0.00	1415.00	
J-130		0.00	1408.00	
J-131		0.00	1408.00	
J-132		148.00	1369.00	
J-135		296.00	1372.00	
J-136		296.00	1367.00	
J-137		296.00	1360.00	

J-14	0.00	1520.00
J-141	296.00	1450.00
J-142	296.00	1420.00
J-145	148.00	1402.00
J-146	296.00	1378.00
J-147	296.00	1360.00
J-148	296.00	1349.00
J-149	296.00	1357.00
J-15	0.00	1410.00
J-151	0.00	1400.00
J-153	0.00	1402.00
J-154	296.00	1390.00
J-157	296.00	1415.00
J-158	148.00	1437.00
J-160	0.00	1405.00
J-161	507.00	1406.00
J-162	0.00	1406.00
J-163	0.00	1401.00
J-164	0.00	1406.00
J-165	0.00	1406.00
J-166	0.00	1402.00
J-167	0.00	1399.00
J-17	0.00	1412.00
J-170	0.00	1402.00
J-172	296.00	1461.00
J-173	296.00	1424.00
J-174	296.00	1460.00
J-175	296.00	1500.00
J-178	296.00	1330.00
J-18	0.00	1430.00
J-180	507.00	1397.00
J-181	0.00	1397.00
J-182	148.00	1400.00
J-183	296.00	1388.00
J-185	0.00	1397.00
J-187	296.00	1337.00
J-188	296.00	1360.00
J-189	507.00	1379.00
J-19	0.00	1422.00
J-191	0.00	1377.00
J-192	0.00	1435.00
J-193	0.00	1426.00
J-194	0.00	1450.00
J-195	507.00	1390.00
J-196	0.00	1387.00
J-197	507.00	1383.00
J-198	507.00	1390.00
J-199	296.00	1364.00
J-2	0.00	1412.00
J-20	507.00	1419.00
J-200	296.00	1320.00
J-201	148.00	1332.00
J-202	296.00	1328.00
J-203	296.00	1330.00
J-204	148.00	1335.00
J-205	507.00	1357.00
J-206	148.00	1360.00
J-207	507.00	1354.00
J-208	254.00	1347.00
J-209	507.00	1345.00
J-210	254.00	1343.00
J-211	507.00	1395.00
J-212	0.00	1385.00
J-213	507.00	1414.00
J-214	254.00	1430.00
J-215	507.00	1420.00
J-216	507.00	1394.00
J-217	148.00	1400.00
J-218	148.00	1360.00
J-219	296.00	1283.00
J-220	296.00	1265.00
J-221	148.00	1270.00

J-222	148.00	1260.00
J-223	148.00	1269.00
J-224	148.00	1254.00
J-225	296.00	1260.00
J-226	296.00	1275.00
J-227	296.00	1274.00
J-228	296.00	1293.00
J-229	296.00	1278.00
J-230	296.00	1270.00
J-231	296.00	1286.00
J-232	296.00	1280.00
J-233	296.00	1312.00
J-234	148.00	1324.00
J-235	296.00	1336.00
J-236	296.00	1305.00
J-237	296.00	1310.00
J-238	296.00	1298.00
J-239	296.00	1290.00
J-24	0.00	1410.00
J-240	507.00	1368.00
J-241	507.00	1352.00
J-242	148.00	1393.00
J-243	60.00	1340.00
J-244	148.00	1375.00
J-245	507.00	1378.00
J-246	507.00	1410.00
J-247	296.00	1288.00
J-248	148.00	1255.00
J-249	148.00	1258.00
J-25	0.00	1426.00
J-250	148.00	1315.00
J-251	148.00	1458.00
J-252	148.00	1522.00
J-253	254.00	1500.00
J-254	148.00	1450.00
J-255	296.00	1402.00
J-257	296.00	1449.00
J-258	254.00	1449.00
J-259	148.00	1250.00
J-260	296.00	1260.00
J-261	296.00	1307.00
J-262	296.00	1265.00
J-263	296.00	1270.00
J-264	148.00	1270.00
J-265	296.00	1311.00
J-266	148.00	1355.00
J-267	0.00	1470.00
J-268	0.00	1421.00
J-269	0.00	1470.00
J-270	0.00	1414.00
J-271	507.00	1421.00
J-272	0.00	1380.00
J-273	0.00	1370.00
J-274	0.00	1380.00
J-275	0.00	1349.00
J-276	0.00	1349.00
J-277	0.00	1330.00
J-278	296.00	1306.00
J-279	0.00	1315.00
J-28	0.00	1410.00
J-280	254.00	1349.00
J-281	148.00	1330.00
J-282	148.00	1299.00
J-283	148.00	1320.00
J-284	296.00	1285.00
J-285	296.00	1312.00
J-286	296.00	1308.00
J-287	296.00	1305.00
J-288	296.00	1310.00
J-289	296.00	1332.00
J-290	148.00	1355.00
J-291	0.00	1328.00

J-292	148.00	1315.00
J-293	148.00	1306.00
J-294	296.00	1310.00
J-295	296.00	1310.00
J-296	254.00	1340.00
J-297	254.00	1357.00
J-298	254.00	1349.00
J-299	254.00	1339.00
J-3	0.00	1403.00
J-300	254.00	1336.00
J-301	0.00	1330.00
J-302	0.00	1326.00
J-303	507.00	1385.00
J-304	507.00	1393.00
J-305	507.00	1375.00
J-306	507.00	1383.00
J-307	507.00	1369.00
J-308	507.00	1368.00
J-309	507.00	1375.00
J-31	0.00	1428.00
J-310	507.00	1362.00
J-311	507.00	1352.00
J-312	254.00	1388.00
J-313	0.00	1433.00
J-314	0.00	1393.00
J-315	507.00	1414.00
J-316	507.00	1402.00
J-317	0.00	1393.00
J-318	0.00	1400.00
J-319	0.00	1400.00
J-320	0.00	1370.00
J-321	507.00	1349.00
J-322	507.00	1340.00
J-323	507.00	1360.00
J-324	507.00	1351.00
J-325	507.00	1361.00
J-326	507.00	1375.00
J-327	0.00	1361.00
J-328	148.00	1326.00
J-329	148.00	1312.00
J-33	507.00	1428.00
J-330	148.00	1307.00
J-331	0.00	1305.00
J-332	0.00	1315.00
J-333	0.00	1324.00
J-334	254.00	1329.00
J-335	507.00	1341.00
J-336	296.00	1293.00
J-337	296.00	1285.00
J-338	296.00	1392.00
J-339	148.00	1292.00
J-34	507.00	1410.00
J-340	148.00	1299.00
J-341	296.00	1285.00
J-342	296.00	1278.00
J-343	148.00	1281.00
J-344	296.00	1288.00
J-345	296.00	1295.00
J-346	148.00	1440.00
J-347	148.00	1412.00
J-348	296.00	1325.00
J-349	296.00	1345.00
J-35	148.00	1385.00
J-350	148.00	1410.00
J-351	296.00	1388.00
J-352	296.00	1365.00
J-353	148.00	1253.00
J-354	148.00	1243.00
J-355	148.00	1245.00
J-356	296.00	1250.00
J-357	296.00	1260.00
J-358	296.00	1275.00

J-359	148.00	1255.00
J-36	0.00	1408.00
J-360	296.00	1269.00
J-361	296.00	1265.00
J-362	296.00	1373.00
J-363	296.00	1335.00
J-364	296.00	1300.00
J-366	254.00	1433.00
J-368	0.00	1395.00
J-369	507.00	1407.00
J-37	507.00	1418.00
J-370	507.00	1425.00
J-371	507.00	1400.00
J-372	254.00	1454.00
J-373	254.00	1426.00
J-374	254.00	1468.00
J-375	0.00	1410.00
J-376	507.00	1407.00
J-377	0.00	1440.00
J-378	507.00	1417.00
J-379	0.00	1444.00
J-38	254.00	1408.00
J-380	0.00	1440.00
J-381	507.00	1425.00
J-382	507.00	1430.00
J-383	0.00	1445.00
J-384	254.00	1448.00
J-385	507.00	1437.00
J-386	0.00	1443.00
J-387	254.00	1444.00
J-388	507.00	1414.00
J-389	507.00	1426.00
J-39	507.00	1401.00
J-390	507.00	1406.00
J-391	254.00	1389.00
J-392	507.00	1415.00
J-393	254.00	1384.00
J-394	254.00	1440.00
J-395	507.00	1403.00
J-396	507.00	1394.00
J-397	507.00	1396.00
J-398	254.00	1416.00
J-399	507.00	1415.00
J-4	507.00	1403.00
J-40	0.00	1405.00
J-400	254.00	1409.00
J-401	254.00	1399.00
J-402	507.00	1410.00
J-403	507.00	1405.00
J-404	507.00	1414.00
J-405	507.00	1421.00
J-406	507.00	1412.00
J-407	254.00	1435.00
J-408	0.00	1430.00
J-409	254.00	1440.00
J-41	0.00	1408.00
J-410	254.00	1445.00
J-411	507.00	1437.00
J-412	507.00	1434.00
J-413	507.00	1423.00
J-414	507.00	1422.00
J-415	507.00	1430.00
J-416	507.00	1439.00
J-417	507.00	1440.00
J-418	254.00	1448.00
J-419	254.00	1441.00
J-42	0.00	1405.00
J-420	254.00	1452.00
J-421	254.00	1440.00
J-422	254.00	1455.00
J-423	0.00	1440.00
J-424	0.00	1440.00

J-427	0.00	1433.00
J-428	148.00	1335.00
J-429	148.00	1389.00
J-43	254.00	1382.00
J-430	148.00	1430.00
J-431	148.00	1410.00
J-432	148.00	1410.00
J-433	254.00	1368.00
J-434	148.00	1389.00
J-435	148.00	1350.00
J-436	148.00	1335.00
J-437	296.00	1389.00
J-438	254.00	1355.00
J-439	148.00	1347.00
J-44	0.00	1412.00
J-440	0.00	1359.00
J-441	148.00	1343.00
J-442	148.00	1338.00
J-443	148.00	1338.00
J-444	148.00	1343.00
J-445	148.00	1347.00
J-446	0.00	1359.00
J-447	0.00	1369.00
J-448	0.00	1378.00
J-449	0.00	1388.00
J-450	0.00	1388.00
J-451	0.00	1378.00
J-452	0.00	1368.00
J-453	0.00	1411.00
J-454	0.00	1411.00
J-455	0.00	1394.00
J-456	0.00	1400.00
J-457	0.00	1394.00
J-458	0.00	1400.00
J-459	0.00	1422.00
J-46	507.00	1370.00
J-460	0.00	1422.00
J-461	0.00	1410.00
J-462	0.00	1440.00
J-463	0.00	1444.00
J-464	0.00	1444.00
J-465	0.00	1444.00
J-466	0.00	1408.00
J-467	0.00	1408.00
J-468	254.00	1447.00
J-470	0.00	1442.00
J-471	0.00	1410.00
J-472	0.00	1387.00
J-473	254.00	1441.00
J-474	0.00	1435.00
J-475	0.00	1428.00
J-476	0.00	1423.00
J-477	0.00	1419.00
J-478	0.00	1439.00
J-479	0.00	1428.00
J-48	148.00	1392.00
J-480	0.00	1427.00
J-481	0.00	1422.00
J-482	0.00	1407.00
J-483	0.00	1444.00
J-484	0.00	1399.00
J-485	0.00	1393.00
J-486	0.00	1407.00
J-487	0.00	1409.00
J-488	0.00	1405.00
J-489	0.00	1399.00
J-49	254.00	1435.00
J-490	0.00	1392.00
J-491	0.00	1384.00
J-492	0.00	1351.00
J-493	0.00	1418.00
J-494	0.00	1385.00

J-495	0.00	1405.00
J-496	0.00	1379.00
J-497	0.00	1373.00
J-498	0.00	1373.00
J-499	0.00	1336.00
J-5	0.00	1405.00
J-50	507.00	1425.00
J-500	0.00	1343.00
J-501	254.00	1463.00
J-502	254.00	1455.00
J-503	254.00	1391.00
J-504	254.00	1466.00
J-505	254.00	1449.00
J-506	254.00	1435.00
J-507	507.00	1365.00
J-509	148.00	1389.00
J-51	148.00	1406.00
J-510	148.00	1500.00
J-511	0.00	1452.00
J-512	148.00	1335.00
J-513	148.00	1255.00
J-514	148.00	1262.00
J-515	148.00	1243.00
J-516	0.00	1441.00
J-517	0.00	1416.00
J-518	0.00	1409.00
J-52	0.00	1440.00
J-53	254.00	1435.00
J-54	254.00	1448.00
J-55	254.00	1455.00
J-56	148.00	1425.00
J-57	148.00	1414.00
J-58	507.00	1438.00
J-59	254.00	1441.00
J-6	0.00	1400.00
J-60	148.00	1433.00
J-61	148.00	1404.00
J-62	148.00	1400.00
J-63	0.00	1404.00
J-64	148.00	1426.00
J-65	296.00	1409.00
J-66	296.00	1417.00
J-67	148.00	1417.00
J-68	296.00	1399.00
J-69	0.00	1408.00
J-7	0.00	1400.00
J-70	0.00	1396.00
J-71	507.00	1386.00
J-72	296.00	1320.00
J-73	0.00	1405.00
J-74	0.00	1412.00
J-75	0.00	1412.00
J-76	0.00	1412.00
J-77	0.00	1412.00
J-78	507.00	1412.00
J-79	0.00	1412.00
J-8	507.00	1396.00
J-80	0.00	1412.00
J-81	0.00	1415.00
J-82	0.00	1445.00
J-83	0.00	1412.00
J-84	0.00	1412.00
J-85	0.00	1412.00
J-86	0.00	1402.00
J-87	0.00	1402.00
J-88	0.00	1400.00
J-89	254.00	1396.00
J-9	0.00	1389.00
J-93	0.00	1403.00
J-94	0.00	1402.00
J-95	0.00	1408.00
J-96	507.00	1364.00

J-97	0.00	1410.00	
J-98	0.00	1409.00	
J-99	0.00	1409.00	
RV-2	----	1470.00	1654.62
Scott Dr.	----	1566.00	1566.00
Section 36	----	1566.00	1566.00
Signal Pea	----	1566.00	1566.00
Tanger Boo	0.00	1470.00	
Well #27	0.00	1410.00	
Well #28	-1500.00	1520.00	
Well #29	-1500.00	1440.00	
Well #31	-1500.00	1403.00	
Well #32	0.00	1433.00	
Well #33	0.00	1442.00	
Well #34	-1500.00	1520.00	
Well #35	0.00	1433.00	
Well #36	0.00	1441.00	
Well #37	-1500.00	1435.00	
Well #38	-1500.00	1428.00	
Well #39	-1500.00	1427.00	
Well #40	-1500.00	1420.00	
Well #41	-1500.00	1438.00	
Well #42	-1500.00	1428.00	
Well #43	-1500.00	1427.00	
Well #44	-1500.00	1364.00	
Well #45	-1500.00	1310.00	
Well #46	-1500.00	1320.00	
Well #47	-1500.00	1343.00	
Well #48	-1500.00	1336.00	
Well #49	-1500.00	1347.00	
Well #50	-1500.00	1360.00	
Well #51	-1500.00	1371.00	
Well #52	-1500.00	1374.00	
Well #53	-1500.00	1364.00	
Well #54	-1500.00	1382.00	
Well #55	-1500.00	1373.00	
Well #56	-1500.00	1379.00	
Well #57	-1500.00	1394.00	
Well #58	-1500.00	1381.00	
Well #59	-1500.00	1385.00	
Well #60	-1500.00	1392.00	
Well #61	-1500.00	1404.00	
Well #62	0.00	1422.00	
Well #63	0.00	1406.00	
Well #64	0.00	1444.00	
Well #65	0.00	1399.00	
Well #66	0.00	1400.00	
Well #67	0.00	1393.00	
Well #68	0.00	1408.00	
Well #69	0.00	1409.00	
Well #70	0.00	1405.00	
Well #71	0.00	1409.00	
Well #72	0.00	1399.00	
Well #73	0.00	1392.00	
Well #74	0.00	1382.00	
Well #75	0.00	1351.00	
Well #76	0.00	1422.00	
Well #77	0.00	1410.00	
Well #78	0.00	1394.00	
Well #79	0.00	1395.00	
Well #80	0.00	1393.00	
Well #81	0.00	1393.00	
Well #82	-1500.00	1425.00	
Well #83	-1500.00	1381.00	
Well #84	-1500.00	1370.00	
Well #85	-1500.00	1353.00	
Well #86	-1500.00	1357.00	
Well #87	-1500.00	1328.00	
Well #88	-1500.00	1388.00	
Well #89	0.00	1415.00	
Well #90	0.00	1420.00	
Well #91	0.00	1424.00	

Well 19

-4250.00

1412.00

OUTPUT OPTION DATA

OUTPUT SELECTION: ALL RESULTS ARE INCLUDED IN THE TABULATED OUTPUT

SYSTEM CONFIGURATION

NUMBER OF PIPES(p) = 834
 NUMBER OF END NODES(j) = 541
 NUMBER OF PRIMARY LOOPS(l) = 288
 NUMBER OF SUPPLY NODES(f) = 6
 NUMBER OF SUPPLY ZONES(z) = 1

ase: 0

RESULTS OBTAINED AFTER 6 TRIALS: ACCURACY = 0.00051

SIMULATION DESCRIPTION (LABEL)

PIPELINE RESULTS

STATUS CODE: XX -CLOSED PIPE CV -CHECK VALVE

PIPE NAME	NODE NUMBERS #1	NODE NUMBERS #2	FLOWRATE (gpm)	HEAD LOSS (ft)	MINOR LOSS (ft)	LINE VELO. (ft/s)	HL/1000 (ft/ft)
P-1	Well 19	J-2	4250.00	2.23	0.00	6.78	7.95
P-10	J-10	J-12	-1797.30	8.43	0.00	2.87	1.61
P-100	J-74	J-17	-537.09	0.05	0.00	1.52	0.70
P-101	J-74	J-75	1464.41	0.97	0.00	4.15	4.48
P-102	J-75	J-76	7159.93	0.14	0.00	5.08	2.90
P-103	J-75	J-77	-6912.85	1.62	0.00	4.90	2.72
P-104	J-75	J-80	1217.33	7.88	0.00	3.45	3.18
P-105	J-76	J-79	7412.29	7.90	0.00	5.26	3.09
P-106	J-79	J-81	6396.31	1.01	0.00	4.54	2.35
P-107	J-44	J-80	-1217.33	0.25	0.00	3.45	3.18
P-108	J-44	J-79	-1015.98	0.10	0.00	2.88	2.28
P-109	J-44	J-78	2300.32	1.52	0.00	6.53	10.35
P-11	J-6	J-11	-2822.74	1.38	0.00	2.00	0.52
P-110	J-78	J-84	412.73	0.03	0.00	1.17	0.43
P-111	J-78	J-83	1380.59	1.10	0.00	3.92	4.02
P-112	J-84	J-477	412.73	1.74	0.00	1.17	0.43
P-113	J-84	J-85	0.00	0.00	0.00	0.00	0.00
P-114	J-63	J-93	2242.60	6.92	0.00	6.36	9.87
P-115	J-11	J-86	-591.20	0.06	0.00	1.68	0.84
P-116	J-86	J-87	0.00	0.00	0.00	0.00	0.00
P-117	J-86	J-88	-591.20	1.53	0.00	1.68	0.84
P-118	J-11	J-94	-878.32	1.52	0.00	2.49	1.74
P-119	J-93	J-94	382.38	6.59	0.00	2.44	2.69
P-12	J-2	J-13	2753.38	12.75	0.00	7.81	14.44
P-120	J-107	J-451	404.24	0.21	0.00	0.65	0.10
P-121	J-43	J-107	447.03	2.63	0.00	1.27	0.50
P-122	J-110	J-109	573.27	1.02	0.00	0.91	0.19
P-124	J-93	J-11	1860.22	8.11	0.00	5.28	6.98
P-127	J-68	J-110	255.39	0.94	0.00	0.72	0.18
P-128	J-51	J-109	266.34	1.01	0.00	0.76	0.19
P-129	J-83	J-97	1380.59	5.66	0.00	3.92	4.02
P-13	J-1	J-15	622.20	14.12	0.00	3.97	6.62

P-130	J-103	J-132	1760.51	8.13	0.00	2.81	1.55
P-131	J-97	J-98	1380.59	3.40	0.00	3.92	4.02
P-132	J-98	J-95	-82.21	0.37	0.00	0.93	0.63
P-133	J-98	J-102	1462.81	0.41	0.00	4.15	4.48
P-134	J-111	J-137	1411.74	5.44	0.00	2.25	1.03
P-135	J-99	J-101	348.32	2.10	0.00	2.22	2.26
P-136	J-102	J-99	348.32	0.21	0.00	2.22	2.26
P-137	J-102	J-127	1114.49	2.51	0.00	3.16	2.70
P-138	J-95	J-131	208.08	4.79	0.00	2.36	3.53
P-139	J-95	J-105	-290.30	3.28	0.00	1.85	1.61
P-14	J-13	J-1	1059.70	1.09	0.00	3.01	2.46
P-141	J-112	J-441	786.25	1.66	0.00	1.25	0.35
P-142	J-114	J-201	976.74	2.77	0.00	1.56	0.52
P-143	J-72	J-187	543.52	0.94	0.00	0.87	0.18
P-144	J-178	J-113	-419.07	0.51	0.00	0.67	0.11
P-145	J-172	J-173	433.81	2.48	0.00	1.23	0.47
P-15	J-15	J-28	85.11	0.20	0.00	0.54	0.17
P-150	J-117	J-118	-613.07	1.15	0.00	0.98	0.22
P-151	J-117	J-120	-210.59	0.65	0.00	0.60	0.12
P-152	J-118	J-124	181.57	0.12	0.00	0.29	0.02
P-153	J-119	J-118	52.31	0.05	0.00	0.15	0.01
P-154	J-120	J-509	-165.17	0.42	0.00	0.47	0.08
P-155	J-119	J-120	193.43	0.56	0.00	0.55	0.11
P-156	J-111	J-135	-55.35	0.03	0.00	0.16	0.01
P-157	J-122	J-119	290.85	1.18	0.00	0.83	0.22
P-158	J-121	J-123	-134.33	0.14	0.00	0.38	0.05
P-159	J-121	J-136	539.17	3.71	0.00	1.53	0.70
P-16	J-15	J-17	537.09	1.01	0.00	1.52	0.70
P-160	J-124	J-112	-288.38	0.28	0.00	0.46	0.05
P-161	J-123	J-122	752.02	3.57	0.00	2.13	1.31
P-162	J-123	J-126	-1034.35	12.39	0.00	2.93	2.36
P-163	J-126	J-109	-691.61	5.91	0.00	1.96	1.12
P-164	J-126	J-128	-490.74	3.19	0.00	1.39	0.59
P-165	J-132	J-206	1810.16	8.54	0.00	2.89	1.64
P-166	J-128	J-132	204.70	0.61	0.00	0.58	0.12
P-168	J-135	J-121	700.84	2.89	0.00	1.99	1.15
P-169	J-128	J-135	1052.19	12.82	0.00	2.98	2.43
P-17	J-82	J-53	1587.72	3.34	0.00	2.53	1.28
P-170	J-128	J-110	-543.63	3.74	0.00	1.54	0.72
P-171	J-136	J-124	275.08	1.07	0.00	0.78	0.20
P-172	J-127	J-101	-348.32	0.20	0.00	2.22	2.26
P-173	J-127	J-129	1462.81	1.50	0.00	4.15	4.48
P-174	J-129	J-130	0.00	0.00	0.00	0.00	0.00
P-175	J-129	J-131	1.98	0.00	0.00	0.01	0.00
P-177	J-137	J-112	803.89	1.92	0.00	1.28	0.36
P-178	J-131	J-160	210.06	4.58	0.00	2.38	3.60
P-179	J-105	J-106	0.00	0.00	0.00	0.00	0.00
P-18	J-57	J-453	-1.20	0.00	0.00	0.00	0.00
P-180	J-136	J-137	-282.80	1.13	0.00	0.80	0.21
P-181	J-119	J-136	-250.89	0.90	0.00	0.71	0.17
P-182	J-118	J-146	461.67	2.80	0.00	1.31	0.53
P-183	J-141	J-142	-6.23	0.00	0.00	0.01	0.00
P-184	J-113	J-435	-592.05	0.24	0.00	0.94	0.21
P-186	J-142	J-154	-291.14	1.19	0.00	0.83	0.23
P-187	J-105	J-151	-290.30	4.97	0.00	1.85	1.61
P-188	J-145	J-117	-675.67	1.40	0.00	1.08	0.26
P-19	J-19	J-37	628.82	2.48	0.00	1.78	0.94
P-190	J-146	J-157	303.77	1.28	0.00	0.86	0.24
P-191	J-145	J-146	120.53	0.24	0.00	0.34	0.04
P-193	J-147	J-124	-449.03	2.67	0.00	1.27	0.50
P-195	J-146	J-147	-17.57	0.01	0.00	0.05	0.00
P-196	J-148	J-149	336.16	0.38	0.00	0.54	0.07
P-197	J-147	J-148	-166.71	0.42	0.00	0.47	0.08
P-198	J-113	J-429	115.08	1.55	0.00	0.73	0.29
P-199	J-154	J-147	-302.17	1.27	0.00	0.86	0.24
P-2	J-2	J-376	1496.62	3.08	0.00	2.39	1.15
P-20	J-25	J-19	628.82	2.52	0.00	1.78	0.94
P-200	J-149	J-154	307.83	1.31	0.00	0.87	0.25
P-201	J-157	J-141	289.77	1.18	0.00	0.82	0.22
P-202	J-154	J-157	22.86	0.01	0.00	0.06	0.00
P-203	J-158	J-145	-407.14	0.54	0.00	0.65	0.10
P-206	J-157	J-158	-259.14	0.98	0.00	0.74	0.18

P-207	J-153	J-160	-20.14	0.31	0.00	0.51	0.34
P-21	J-20	J-25	416.80	2.28	0.00	1.18	0.44
P-218	J-160	J-162	189.92	0.36	0.00	1.21	0.74
P-219	J-162	J-161	210.06	1.06	0.00	2.38	3.60
P-22	J-31	J-192	897.99	4.78	0.00	2.55	1.81
P-220	J-162	J-164	-20.14	0.01	0.00	0.23	0.05
P-221	J-164	J-153	-20.14	0.05	0.00	0.23	0.05
P-222	J-164	J-165	0.00	0.00	0.00	0.00	0.00
P-223	J-153	J-163	0.00	0.00	0.00	0.00	0.00
P-224	J-153	J-166	0.00	0.00	0.00	0.00	0.00
P-225	J-88	J-167	-591.20	0.65	0.00	1.68	0.84
P-227	J-105	J-170	0.00	0.00	0.00	0.00	0.00
P-228	J-172	J-142	333.74	1.51	0.00	0.95	0.29
P-23	J-1	J-24	437.50	10.59	0.00	2.79	3.45
P-230	J-173	J-434	173.88	0.41	0.00	0.49	0.09
P-231	J-173	J-174	399.38	0.52	0.00	0.64	0.10
P-233	J-175	J-172	1063.55	13.26	0.00	3.02	2.48
P-236	J-175	Section 36	-1359.55	23.87	0.00	3.86	3.91
P-239	J-178	J-72	242.53	0.10	0.00	0.39	0.04
P-240	J-151	J-180	-290.30	1.46	0.00	1.19	0.54
P-242	J-180	J-12	-1240.19	0.19	0.00	3.52	3.30
P-243	J-180	J-181	-1541.31	3.01	0.00	4.37	4.93
P-244	J-12	J-181	-3037.49	2.82	0.00	4.85	4.27
P-245	J-181	J-185	591.20	0.06	0.00	1.68	0.84
P-246	J-178	J-188	260.93	0.97	0.00	0.74	0.18
P-247	J-182	J-35	301.98	0.15	0.00	0.48	0.06
P-249	J-183	J-182	464.12	2.80	0.00	1.32	0.53
P-250	J-183	J-431	248.15	0.78	0.00	0.70	0.17
P-251	J-185	J-167	591.20	1.68	0.00	1.68	0.84
P-253	J-187	J-199	-6.46	0.00	0.00	0.01	0.00
P-254	J-188	J-183	-192.02	0.55	0.00	0.54	0.10
P-255	J-187	J-188	-90.32	0.07	0.00	0.26	0.03
P-256	J-188	J-429	66.63	0.07	0.00	0.19	0.01
P-258	J-180	J-317	1984.20	20.66	0.00	5.63	7.87
P-259	J-189	J-191	-986.63	1.34	0.00	1.57	0.53
P-260	J-191	Burgess Pe	-1458.96	0.84	0.00	2.33	1.10
P-261	J-191	J-326	472.33	0.37	0.00	0.75	0.14
P-262	J-181	Cottonwood	-5170.00	0.25	0.00	3.67	1.59
P-263	J-82	CG Tank	947.80	0.94	0.00	2.69	2.00
P-264	J-192	J-82	897.99	4.80	0.00	2.55	1.81
P-265	CG Tank	J-383	-6128.83	1.05	0.00	4.35	2.17
P-266	J-193	J-271	-5860.38	6.62	0.00	4.16	2.00
P-267	J-193	J-194	-2071.41	27.98	0.00	5.88	8.52
P-268	J-194	J-475	-747.97	3.37	0.00	2.12	1.29
P-269	J-195	J-189	834.18	8.32	0.00	2.37	1.58
P-27	J-20	J-31	-2049.16	10.97	0.00	3.27	2.06
P-270	J-212	J-108	0.00	0.00	0.00	0.00	0.00
P-271	J-197	J-10	-2838.51	19.83	0.00	4.53	3.76
P-272	J-199	J-35	886.55	2.33	0.00	1.41	0.44
P-273	J-183	J-199	299.71	0.62	0.00	0.85	0.24
P-274	J-196	J-472	0.00	0.00	0.00	0.00	0.00
P-275	J-200	J-72	278.85	0.27	0.00	0.44	0.05
P-276	J-200	J-202	-528.61	1.79	0.00	1.50	0.68
P-277	J-201	J-200	604.10	1.14	0.00	0.96	0.21
P-278	J-201	J-203	-260.55	0.47	0.00	0.74	0.18
P-279	J-202	J-428	190.59	0.48	0.00	0.54	0.10
P-280	J-178	J-202	-380.40	1.95	0.00	1.08	0.37
P-281	J-197	J-198	437.60	2.51	0.00	1.24	0.48
P-282	J-203	J-443	9.61	0.00	0.00	0.03	0.00
P-283	J-202	J-203	104.40	0.18	0.00	0.30	0.03
P-284	J-204	J-114	571.33	0.50	0.00	0.91	0.19
P-285	J-203	J-204	-461.75	2.79	0.00	1.31	0.53
P-286	J-205	J-208	939.94	2.56	0.00	1.50	0.49
P-287	J-205	J-433	-447.99	2.64	0.00	1.27	0.50
P-288	J-206	J-111	1652.39	3.70	0.00	2.64	1.38
P-289	J-206	J-440	9.77	0.00	0.00	0.03	0.00
P-29	J-33	J-193	-7931.78	6.90	0.00	5.62	3.50
P-290	J-208	J-210	2005.08	10.49	0.00	3.20	1.98
P-291	J-207	J-208	236.04	0.39	0.00	0.67	0.15
P-292	J-207	J-209	970.33	11.03	0.00	2.75	2.09
P-293	J-210	J-114	1388.19	5.27	0.00	2.21	1.00
P-294	J-209	J-210	-140.12	0.15	0.00	0.40	0.06

P-295	J-198	J-216	-1990.90	10.37	0.00	3.18	1.95
P-296	J-198	J-213	978.13	2.77	0.00	1.56	0.52
P-297	J-213	J-214	516.65	0.42	0.00	0.82	0.16
P-298	J-213	J-215	-1830.01	8.83	0.00	2.92	1.67
P-299	J-216	J-490	-2166.32	2.74	0.00	3.46	2.28
P-3	J-4	J-3	2136.41	0.19	0.00	1.52	0.31
P-30	J-31	J-33	-1861.00	0.13	0.00	5.28	6.99
P-300	J-215	J-216	-584.34	4.32	0.00	1.66	0.82
P-301	J-214	J-506	722.51	6.37	0.00	2.05	1.21
P-302	J-194	J-269	-1323.44	34.49	0.00	3.75	3.72
P-303	J-267	J-14	-3000.00	14.27	0.00	8.51	16.93
P-304	J-14	Well #28	-1500.00	1.06	0.00	4.25	4.69
P-305	Tanger Boo	J-267	0.00	0.00	0.00	0.00	0.00
P-306	J-14	Well #34	-1500.00	1.15	0.00	4.25	4.69
P-307	J-281	J-234	-390.44	0.50	0.00	0.62	0.10
P-308	J-217	J-240	694.41	1.46	0.00	1.11	0.28
P-309	J-217	J-246	-1505.81	6.12	0.00	2.40	1.16
P-310	J-218	J-244	-1179.51	3.84	0.00	1.88	0.74
P-311	J-218	J-235	1803.34	8.70	0.00	2.88	1.62
P-312	J-219	J-228	-883.30	2.30	0.00	1.41	0.43
P-313	J-219	J-232	935.16	2.55	0.00	1.49	0.48
P-314	J-220	J-226	-707.03	1.50	0.00	1.13	0.29
P-315	J-220	J-225	242.85	0.21	0.00	0.39	0.04
P-316	J-221	J-342	235.69	0.20	0.00	0.38	0.04
P-317	J-222	J-221	-459.45	0.68	0.00	0.73	0.13
P-318	J-222	J-223	311.45	1.34	0.00	0.88	0.26
P-319	J-223	J-224	380.18	1.94	0.00	1.08	0.37
P-32	J-24	J-28	477.84	3.73	0.00	3.05	4.06
P-320	J-223	J-227	149.63	0.35	0.00	0.42	0.07
P-321	J-226	J-284	-902.84	2.39	0.00	1.44	0.45
P-322	J-225	J-224	28.25	0.00	0.00	0.05	0.00
P-323	J-227	J-226	-85.28	0.12	0.00	0.24	0.02
P-324	J-225	J-227	-341.59	1.59	0.00	0.97	0.30
P-325	J-227	J-341	-402.68	2.17	0.00	1.14	0.41
P-326	J-223	J-342	-366.37	1.82	0.00	1.04	0.34
P-327	J-226	J-229	-185.47	0.52	0.00	0.53	0.10
P-328	J-228	J-282	-1139.94	3.71	0.00	1.82	0.69
P-329	J-229	J-231	-345.97	1.63	0.00	0.98	0.31
P-330	J-337	J-229	469.24	2.89	0.00	1.33	0.54
P-331	J-230	J-220	387.20	0.50	0.00	0.62	0.09
P-332	J-229	J-230	333.74	1.52	0.00	0.95	0.29
P-333	J-231	J-228	-481.25	3.00	0.00	1.37	0.57
P-334	J-339	J-231	528.98	3.53	0.00	1.50	0.68
P-335	J-232	J-230	657.46	1.30	0.00	1.05	0.25
P-336	J-231	J-232	368.26	1.85	0.00	1.04	0.35
P-337	J-228	J-238	-520.61	3.51	0.00	1.48	0.66
P-338	J-234	J-218	-702.27	1.49	0.00	1.12	0.28
P-339	J-233	J-234	-770.44	7.17	0.00	2.19	1.37
P-340	J-328	J-233	325.08	1.46	0.00	0.92	0.28
P-341	J-235	J-237	1767.92	8.23	0.00	2.82	1.57
P-342	J-233	J-235	49.69	0.04	0.00	0.14	0.01
P-343	J-236	J-233	-749.83	6.91	0.00	2.13	1.30
P-344	J-329	J-236	504.83	3.29	0.00	1.43	0.62
P-345	J-237	J-239	1461.05	5.71	0.00	2.33	1.10
P-346	J-236	J-237	316.53	1.37	0.00	0.90	0.26
P-347	J-238	J-236	-642.13	5.08	0.00	1.82	0.97
P-348	J-330	J-238	560.45	3.94	0.00	1.59	0.76
P-349	J-239	J-219	1152.01	3.80	0.00	1.84	0.71
P-350	J-238	J-239	385.99	2.00	0.00	1.09	0.38
P-351	J-234	J-243	-606.61	4.62	0.00	1.72	0.88
P-352	J-240	J-325	284.26	0.28	0.00	0.45	0.05
P-353	J-241	J-240	-738.32	6.66	0.00	2.09	1.26
P-354	J-321	J-492	-37.42	0.02	0.00	0.11	0.01
P-355	J-242	J-217	-1458.34	5.69	0.00	2.33	1.10
P-356	J-241	J-242	-428.47	2.43	0.00	1.22	0.46
P-357	J-243	J-241	-622.37	4.88	0.00	1.77	0.92
P-358	J-322	J-243	-176.87	0.48	0.00	0.50	0.09
P-359	J-244	J-242	-1548.63	6.60	0.00	2.47	1.23
P-36	J-28	J-36	562.95	4.71	0.00	3.59	5.50
P-360	J-243	J-244	-221.12	0.71	0.00	0.63	0.14
P-361	J-326	J-245	627.13	4.91	0.00	1.78	0.93
P-362	J-246	J-213	-1784.49	8.45	0.00	2.85	1.59

P-363	J-245	J-246	228.32	0.76	0.00	0.65	0.14
P-364	J-240	J-245	-835.17	8.34	0.00	2.37	1.59
P-365	J-245	J-491	-943.37	5.28	0.00	2.68	1.99
P-366	J-220	J-357	555.38	0.96	0.00	0.89	0.18
P-367	J-219	J-358	804.16	1.92	0.00	1.28	0.36
P-368	J-247	J-260	779.81	1.81	0.00	1.24	0.34
P-369	J-247	J-261	660.16	1.33	0.00	1.05	0.25
P-37	J-34	J-20	-1519.45	6.16	0.00	2.42	1.18
P-370	J-247	J-348	-1118.08	3.55	0.00	1.78	0.67
P-371	J-251	J-255	2869.02	20.30	0.00	4.58	3.84
P-372	J-251	J-510	1038.99	6.18	0.00	1.66	0.59
P-373	J-252	J-254	755.62	1.71	0.00	1.21	0.32
P-374	J-253	Scott Dr.	-1202.19	5.10	0.00	3.41	3.11
P-375	J-252	J-253	-582.26	4.30	0.00	1.65	0.81
P-376	J-267	RV-2	3000.00	3.99	0.00	8.51	16.93
P-377-XXCV	J-269	Tanger Boo					
P-378	RV-2	J-269	3000.00	9.92	0.00	8.51	16.93
P-379	J-209	J-204	606.15	4.62	0.00	1.72	0.88
P-38	J-34	J-39	991.08	2.84	0.00	1.58	0.54
P-380	J-209	J-445	-2.70	0.00	0.00	0.01	0.00
P-381	J-35	J-290	1040.54	3.08	0.00	1.66	0.59
P-382	J-268	J-31	1086.15	13.62	0.00	3.08	2.58
P-383	J-270	J-318	1190.39	4.60	0.00	1.90	0.75
P-384	J-272	J-274	-1225.11	1.88	0.00	1.95	0.79
P-385	J-270	J-268	-2864.59	15.55	0.00	4.57	3.83
P-386	J-271	J-81	-6396.31	11.44	0.00	4.54	2.35
P-387	J-268	J-271	-2038.01	0.04	0.00	3.25	2.04
P-388	J-272	J-320	-19.12	0.01	0.00	0.05	0.00
P-389	J-274	J-303	-1455.92	1.43	0.00	2.32	1.09
P-39	J-38	J-39	268.73	1.02	0.00	0.76	0.19
P-390	J-273	J-274	-230.82	0.98	0.00	0.65	0.15
P-391	J-273	J-189	-1313.81	11.10	0.00	3.73	3.67
P-392	J-273	J-327	499.16	1.66	0.00	1.42	0.61
P-393	J-276	J-311	-908.69	2.06	0.00	1.45	0.46
P-394	J-275	J-276	-376.58	0.57	0.00	1.07	0.36
P-395	J-72	J-285	1181.87	3.93	0.00	1.89	0.74
P-396	J-278	J-295	-633.82	1.23	0.00	1.01	0.23
P-397	J-114	J-291	834.78	2.07	0.00	1.33	0.39
P-398	J-279	J-302	-1318.16	4.83	0.00	2.10	0.91
P-399	J-96	J-297	1798.19	8.51	0.00	2.87	1.62
P-4	J-5	J-4	-789.13	0.92	0.00	1.26	0.35
P-400	J-280	J-276	-532.11	0.13	0.00	0.85	0.17
P-401	J-277	J-275	-376.58	3.49	0.00	1.07	0.36
P-402	J-280	J-335	1169.79	3.85	0.00	1.87	0.73
P-403	J-281	J-277	-529.97	0.67	0.00	1.50	0.68
P-404	J-281	J-328	1377.97	5.21	0.00	2.20	0.99
P-405	J-282	J-331	-1195.48	3.95	0.00	1.91	0.76
P-406	J-282	J-339	1059.44	3.18	0.00	1.69	0.61
P-407	J-283	J-286	-124.08	0.06	0.00	0.20	0.01
P-408	J-283	J-343	1090.78	3.39	0.00	1.74	0.64
P-409	J-284	J-336	-945.34	2.58	0.00	1.51	0.49
P-41	J-37	J-38	218.48	0.70	0.00	0.62	0.13
P-410	J-199	J-289	610.70	4.69	0.00	1.73	0.89
P-411	J-286	J-287	-368.06	0.45	0.00	0.59	0.09
P-412	J-187	J-288	344.30	1.62	0.00	0.98	0.31
P-413	J-287	J-278	-469.10	0.71	0.00	0.75	0.13
P-414	J-285	J-278	1314.01	4.73	0.00	2.10	0.90
P-415	J-288	J-287	749.38	6.81	0.00	2.13	1.30
P-416	J-285	J-288	-313.69	1.37	0.00	0.89	0.26
P-417	J-289	J-286	577.77	4.20	0.00	1.64	0.80
P-418	J-288	J-289	485.24	3.07	0.00	1.38	0.58
P-419	J-290	J-283	1114.69	3.54	0.00	1.78	0.67
P-42	J-39	J-71	428.26	0.60	0.00	0.68	0.11
P-420	J-289	J-290	222.16	0.72	0.00	0.63	0.14
P-421	J-285	J-294	-114.46	0.21	0.00	0.32	0.04
P-422	J-291	J-279	1026.80	3.02	0.00	1.64	0.57
P-423	J-292	J-291	-542.12	3.77	0.00	1.54	0.71
P-424	J-293	J-279	-1172.79	3.85	0.00	1.87	0.73
P-425	J-292	J-293	486.83	3.11	0.00	1.38	0.58
P-426	J-292	J-201	-485.19	3.07	0.00	1.38	0.58
P-427	J-294	J-292	-392.48	2.05	0.00	1.11	0.39
P-428	J-295	J-293	-955.96	2.65	0.00	1.53	0.50

P-429	J-294	J-295	539.88	3.71	0.00	1.53	0.71
P-43	J-38	J-89	-170.65	0.44	0.00	0.48	0.08
P-430	J-294	J-200	-557.85	3.99	0.00	1.58	0.75
P-431	J-291	J-301	-734.13	6.62	0.00	2.08	1.25
P-432	J-297	J-280	1474.65	5.89	0.00	2.35	1.12
P-433	J-296	J-280	-582.97	1.06	0.00	0.93	0.20
P-434	J-298	J-297	-267.58	1.02	0.00	0.76	0.19
P-435	J-296	J-500	-1687.11	5.50	0.00	4.79	5.83
P-436	J-298	J-205	-509.04	3.33	0.00	1.44	0.63
P-437	J-299	J-298	-335.51	1.55	0.00	0.95	0.29
P-438	J-208	J-299	416.90	2.32	0.00	1.18	0.44
P-439	J-300	J-296	-1307.76	4.70	0.00	2.09	0.90
P-44	J-36	J-42	562.95	5.21	0.00	3.59	5.50
P-440	J-299	J-300	868.54	9.09	0.00	2.46	1.70
P-441	J-301	J-499	-1129.87	9.53	0.00	3.21	2.77
P-442	J-210	J-301	222.76	0.72	0.00	0.63	0.14
P-443	J-302	J-300	-1293.97	4.62	0.00	2.06	0.88
P-444	J-301	J-302	618.50	4.82	0.00	1.75	0.91
P-445	J-303	J-211	-1995.62	10.35	0.00	3.18	1.96
P-446	J-303	J-304	32.70	0.02	0.00	0.09	0.00
P-447	J-305	J-272	-1244.23	1.33	0.00	1.99	0.82
P-448	J-305	J-306	-665.86	1.36	0.00	1.06	0.26
P-449	J-297	J-310	-198.04	0.58	0.00	0.56	0.11
P-45	J-46	J-96	709.57	1.51	0.00	1.13	0.29
P-450	J-306	J-71	-1216.55	4.10	0.00	1.94	0.78
P-451	J-307	J-305	-1403.09	5.39	0.00	2.24	1.02
P-452	J-308	J-306	-543.95	3.77	0.00	1.54	0.72
P-453	J-307	J-308	-479.16	2.97	0.00	1.36	0.57
P-454	J-309	J-497	-217.83	0.12	0.00	0.35	0.03
P-455	J-308	J-309	-842.81	8.56	0.00	2.39	1.61
P-456	J-310	J-308	-400.60	2.13	0.00	1.14	0.41
P-457	J-46	J-310	886.56	9.43	0.00	2.51	1.77
P-458	J-311	J-307	-1103.21	3.44	0.00	1.76	0.65
P-459	J-310	J-311	582.12	4.28	0.00	1.65	0.81
P-46	J-46	J-43	-820.96	8.02	0.00	2.33	1.54
P-460	J-312	J-43	-22.93	0.01	0.00	0.07	0.00
P-461	J-62	J-455	69.85	0.03	0.00	0.20	0.02
P-462	J-312	J-496	93.91	0.11	0.00	0.27	0.03
P-464	J-313	J-421	517.57	1.38	0.00	1.47	0.65
P-465	J-20	J-315	-394.08	2.07	0.00	1.12	0.39
P-466	J-315	J-270	-1674.20	6.96	0.00	4.75	5.75
P-467	J-315	J-316	773.12	7.26	0.00	2.19	1.37
P-468	J-316	J-34	261.07	0.97	0.00	0.74	0.18
P-469	J-316	J-211	-644.97	5.11	0.00	1.83	0.98
P-47	J-43	J-450	-44.92	0.01	0.00	0.13	0.01
P-470	J-34	J-37	282.44	1.12	0.00	0.80	0.21
P-471	J-304	J-39	-324.55	1.45	0.00	0.92	0.28
P-472	J-306	J-304	-500.27	3.26	0.00	1.42	0.61
P-473	J-304	J-316	-650.01	5.26	0.00	1.84	1.00
P-474	J-317	J-195	1190.88	8.13	0.00	3.38	3.06
P-475	J-317	J-319	793.31	7.68	0.00	2.25	1.44
P-476	J-318	J-211	2026.70	4.50	0.00	3.23	2.02
P-477	J-319	J-318	836.31	2.61	0.00	2.37	1.59
P-478	J-320	J-273	-1045.47	0.89	0.00	2.97	2.40
P-479	J-320	J-507	1026.34	4.26	0.00	2.91	2.32
P-48	J-48	J-70	601.32	2.23	0.00	1.71	0.86
P-480	J-322	J-281	605.55	4.64	0.00	1.72	0.87
P-481	J-321	J-322	655.99	5.33	0.00	1.86	1.01
P-482	J-323	J-324	517.06	3.44	0.00	1.47	0.65
P-483	J-321	J-323	232.67	0.80	0.00	0.66	0.15
P-484	J-323	J-307	-272.04	1.04	0.00	0.77	0.20
P-485	J-324	J-322	279.69	1.09	0.00	0.79	0.21
P-486	J-311	J-324	269.63	1.04	0.00	0.76	0.20
P-487	J-321	J-325	-723.65	6.40	0.00	2.05	1.22
P-488	J-326	J-197	-1743.62	8.06	0.00	2.78	1.53
P-489	J-325	J-326	-1081.81	13.53	0.00	3.07	2.56
P-49	J-48	J-62	563.24	1.00	0.00	0.90	0.19
P-490	J-327	J-321	634.59	6.20	0.00	1.80	0.95
P-491	J-325	J-327	135.43	0.20	0.00	0.38	0.05
P-492	J-328	J-329	1348.73	5.07	0.00	2.15	0.95
P-493	J-328	J-334	-443.84	2.59	0.00	1.26	0.49
P-494	J-329	J-330	1270.73	4.43	0.00	2.03	0.85

P-495	J-329	J-333	-574.82	4.19	0.00	1.63	0.79
P-496	J-330	J-282	1151.91	3.74	0.00	1.84	0.71
P-497	J-330	J-332	-589.63	4.45	0.00	1.67	0.83
P-498	J-331	J-279	-1172.17	3.87	0.00	1.87	0.73
P-499	J-332	J-302	-594.31	4.47	0.00	1.69	0.84
P-5	J-3	J-7	2136.41	18.23	0.00	6.06	9.03
P-50	J-18	J-49	-353.98	0.21	0.00	0.56	0.08
P-500	J-331	J-332	-578.07	4.23	0.00	1.64	0.80
P-501	J-333	J-300	-628.32	4.92	0.00	1.78	0.94
P-502	J-332	J-333	-573.39	4.17	0.00	1.63	0.79
P-503	J-334	J-296	-708.33	6.15	0.00	2.01	1.17
P-504	J-333	J-334	-519.89	3.48	0.00	1.47	0.66
P-505	J-335	J-277	153.39	0.08	0.00	0.24	0.02
P-506	J-334	J-335	-509.40	3.36	0.00	1.44	0.63
P-507	J-331	J-340	554.75	3.87	0.00	1.57	0.74
P-508	J-336	J-278	-1182.73	3.98	0.00	1.89	0.74
P-509	J-337	J-284	568.79	1.01	0.00	0.91	0.19
P-51	J-50	J-18	-353.98	0.21	0.00	0.56	0.08
P-510	J-338	J-336	280.87	1.13	0.00	0.80	0.21
P-511	J-337	J-338	-453.31	2.70	0.00	1.29	0.51
P-512	J-338	J-295	-566.02	4.08	0.00	1.61	0.77
P-513	J-339	J-337	880.72	2.27	0.00	1.41	0.43
P-514	J-340	J-338	464.16	2.85	0.00	1.32	0.53
P-515	J-339	J-340	-498.26	3.27	0.00	1.41	0.61
P-516	J-340	J-293	-555.66	3.89	0.00	1.58	0.75
P-517	J-341	J-284	-315.29	0.34	0.00	0.50	0.06
P-518	J-341	J-345	-409.29	2.21	0.00	1.16	0.42
P-519	J-342	J-341	-25.91	0.00	0.00	0.04	0.00
P-52	J-40	J-41	67.01	0.02	0.00	0.19	0.01
P-520	J-342	J-344	-400.77	2.13	0.00	1.14	0.41
P-521	J-343	J-221	843.14	2.10	0.00	1.35	0.40
P-522	J-344	J-286	-525.76	3.62	0.00	1.49	0.67
P-523	J-343	J-344	99.64	0.17	0.00	0.28	0.03
P-524	J-345	J-287	-554.41	3.98	0.00	1.57	0.74
P-525	J-344	J-345	-71.37	0.09	0.00	0.20	0.02
P-526	J-345	J-336	-222.25	0.71	0.00	0.63	0.14
P-527	J-254	J-217	794.93	1.89	0.00	1.27	0.36
P-528	J-254	J-257	393.13	2.09	0.00	1.12	0.39
P-529	J-255	J-218	1474.10	5.97	0.00	2.35	1.12
P-53	J-42	J-40	67.01	0.01	0.00	0.19	0.01
P-530	J-142	Well #90	0.00	0.00	0.00	0.00	0.00
P-531	J-157	Well #89	0.00	0.00	0.00	0.00	0.00
P-532	J-173	Well #91	0.00	0.00	0.00	0.00	0.00
P-533	J-257	J-242	666.76	5.50	0.00	1.89	1.04
P-534	J-258	J-253	-365.93	1.80	0.00	1.04	0.34
P-535	J-254	J-258	-580.44	4.21	0.00	1.65	0.81
P-536	J-250	J-264	218.88	0.70	0.00	0.62	0.13
P-537	J-259	J-249	-183.79	0.50	0.00	0.52	0.10
P-538	J-259	J-262	-96.22	0.08	0.00	0.27	0.03
P-539	J-261	J-265	468.53	0.71	0.00	0.75	0.13
P-54	J-50	J-58	406.36	2.18	0.00	1.15	0.42
P-540	J-260	J-249	466.56	0.36	0.00	0.74	0.13
P-541	J-262	J-261	-300.04	1.28	0.00	0.85	0.24
P-542	J-260	J-262	232.94	0.79	0.00	0.66	0.15
P-543	J-262	J-263	140.76	0.31	0.00	0.40	0.06
P-544	J-264	J-513	96.13	0.08	0.00	0.27	0.03
P-545	J-263	J-264	25.26	0.01	0.00	0.07	0.00
P-546	J-265	J-250	227.05	0.19	0.00	0.36	0.03
P-547	J-263	J-265	-248.36	0.87	0.00	0.70	0.17
P-548	J-250	J-512	-139.83	0.31	0.00	0.40	0.06
P-549	J-266	J-265	302.88	1.28	0.00	0.86	0.24
P-55	J-41	J-44	67.01	0.01	0.00	0.19	0.01
P-550	J-266	J-350	-398.85	2.15	0.00	1.13	0.40
P-551	J-347	J-251	-3691.43	32.64	0.00	5.89	6.12
P-552	J-346	J-347	-940.58	10.42	0.00	2.67	1.98
P-553	J-346	J-351	792.58	7.58	0.00	2.25	1.44
P-554	J-348	J-352	-1576.31	6.68	0.00	2.52	1.27
P-555	J-349	J-261	404.41	2.15	0.00	1.15	0.41
P-556	J-348	J-349	457.30	2.72	0.00	1.30	0.52
P-557	J-349	J-266	339.86	1.58	0.00	0.96	0.30
P-558	J-82	J-383	-1637.53	0.11	0.00	4.65	5.52
P-559	J-351	J-349	582.96	4.35	0.00	1.65	0.81

P-560	J-350	J-351	-546.85	3.79	0.00	1.55	0.72
P-561	J-352	J-347	-2255.00	12.96	0.00	3.60	2.46
P-562	J-351	J-352	-633.24	5.04	0.00	1.80	0.95
P-563	J-353	J-259	-132.01	0.27	0.00	0.37	0.05
P-564	J-263	J-353	67.86	0.04	0.00	0.19	0.02
P-565	J-224	J-355	260.43	0.97	0.00	0.74	0.18
P-566	J-354	J-248	-104.06	0.18	0.00	0.30	0.03
P-567	J-354	J-356	-85.44	0.06	0.00	0.24	0.02
P-568	J-355	J-515	106.50	0.09	0.00	0.30	0.03
P-569	J-356	J-225	-260.19	0.97	0.00	0.74	0.18
P-57	J-49	J-52	-1121.70	1.82	0.00	1.79	0.67
P-570	J-355	J-356	5.94	0.00	0.00	0.02	0.00
P-571	J-357	J-248	235.82	0.10	0.00	0.38	0.04
P-572	J-356	J-357	-115.32	0.22	0.00	0.33	0.04
P-573	J-248	J-359	-16.24	0.01	0.00	0.05	0.00
P-574	J-230	J-361	307.99	1.33	0.00	0.87	0.25
P-575	J-359	J-514	13.23	0.00	0.00	0.04	0.00
P-576	J-260	J-360	-215.69	0.69	0.00	0.61	0.13
P-577	J-358	J-247	617.88	1.19	0.00	0.99	0.22
P-578	J-360	J-232	-349.97	1.68	0.00	0.99	0.32
P-579	J-358	J-360	418.95	2.32	0.00	1.19	0.44
P-580	J-361	J-359	177.47	0.23	0.00	0.50	0.09
P-581	J-360	J-361	257.23	0.95	0.00	0.73	0.18
P-582	J-361	J-357	91.76	0.14	0.00	0.26	0.03
P-583	J-358	J-364	-528.69	3.60	0.00	1.50	0.68
P-584	J-362	J-255	-1098.92	14.02	0.00	3.12	2.64
P-585	J-235	J-362	-210.89	0.65	0.00	0.60	0.12
P-586	J-362	J-347	-347.85	1.67	0.00	0.99	0.31
P-587	J-363	J-362	-939.87	10.38	0.00	2.67	1.97
P-588	J-352	J-363	-250.55	0.91	0.00	0.71	0.17
P-589	J-363	J-237	-327.40	1.49	0.00	0.93	0.28
P-59	J-53	J-25	212.01	0.33	0.00	0.60	0.13
P-590	J-364	J-363	-720.72	6.35	0.00	2.04	1.21
P-591	J-239	J-364	399.04	2.13	0.00	1.13	0.40
P-592	J-364	J-348	295.07	1.24	0.00	0.84	0.23
P-593	J-215	J-370	-1888.94	9.33	0.00	3.01	1.77
P-594	J-314	J-391	713.43	0.78	0.00	1.14	0.29
P-595	J-314	Well #81	0.00	0.00	0.00	0.00	0.00
P-596	J-314	Well #80	0.00	0.00	0.00	0.00	0.00
P-597	J-366	J-493	-2250.01	4.84	0.00	3.59	2.45
P-598	J-369	J-4	-3513.75	29.59	0.00	5.61	5.59
P-599	J-369	J-371	1306.12	19.21	0.00	3.70	3.63
P-6	J-7	J-8	2136.41	23.76	0.00	6.06	9.03
P-60	J-53	J-52	1121.70	3.54	0.00	1.79	0.67
P-600	J-370	J-366	-2083.03	11.26	0.00	3.32	2.12
P-601	J-371	J-216	915.92	9.90	0.00	2.60	1.88
P-602	J-370	J-371	-620.83	4.89	0.00	1.76	0.92
P-603	J-371	J-489	-737.62	1.51	0.00	2.09	1.26
P-604	J-4	J-488	-6946.29	1.00	0.00	2.19	0.38
P-605	J-214	J-505	-459.86	1.43	0.00	1.30	0.52
P-606	J-372	J-215	-136.27	0.29	0.00	0.39	0.06
P-607	J-372	J-374	-831.59	8.31	0.00	2.36	1.57
P-608	J-374	J-370	-307.92	1.31	0.00	0.87	0.25
P-609	J-374	J-366	-777.67	12.57	0.00	2.21	1.39
P-61	J-54	J-49	-513.73	3.42	0.00	1.46	0.64
P-610	J-369	J-375	-549.39	3.67	0.00	1.56	0.73
P-611	J-376	J-5	-789.13	0.94	0.00	1.26	0.35
P-612	J-376	J-377	68.49	0.08	0.00	0.19	0.02
P-613	J-77	J-378	-6912.85	5.61	0.00	4.90	2.72
P-614	J-378	J-480	-5027.04	3.61	0.00	3.56	1.51
P-615	J-378	J-13	-1693.68	10.01	0.00	4.80	5.87
P-616	J-379	J-465	-3527.04	8.21	0.00	5.63	5.63
P-617	J-378	J-481	-699.14	2.50	0.00	1.98	1.14
P-618	J-381	J-479	-993.00	8.88	0.00	2.82	2.18
P-619	J-381	J-385	-222.55	0.73	0.00	0.63	0.14
P-62	J-54	J-502	297.10	1.23	0.00	0.84	0.23
P-620	J-383	J-33	-5563.78	9.60	0.00	3.95	1.82
P-621	J-384	J-383	2202.58	50.19	0.00	6.25	9.55
P-622	J-384	J-269	-1676.56	28.77	0.00	4.76	5.76
P-623	J-385	J-384	780.02	7.38	0.00	2.21	1.40
P-624	J-385	J-474	-1509.57	12.69	0.00	4.28	4.74
P-625	J-366	J-468	-864.68	2.23	0.00	1.38	0.42

P-626	J-388	J-404	-12675.59	6.14	0.00	4.00	1.16
P-627	J-387	J-402	-2749.12	18.66	0.00	4.39	3.55
P-628	J-387	J-392	-1227.63	4.23	0.00	1.96	0.80
P-629	J-389	J-373	-25203.87	21.55	0.00	7.94	4.13
P-63	J-55	J-54	-200.40	0.60	0.00	0.57	0.11
P-630	J-390	J-399	-3075.67	22.94	0.00	4.91	4.37
P-631	J-390	J-397	1649.55	7.24	0.00	2.63	1.38
P-632	J-392	J-471	-1326.64	2.41	0.00	2.12	0.92
P-633	J-391	J-393	586.69	4.34	0.00	1.66	0.82
P-634	J-393	J-504	561.88	3.99	0.00	1.59	0.76
P-635	J-393	J-396	-229.20	0.77	0.00	0.65	0.14
P-636	J-395	J-390	-1307.36	4.71	0.00	2.09	0.90
P-637	J-394	J-392	-862.65	8.90	0.00	2.45	1.68
P-638	J-396	J-395	-795.35	7.65	0.00	2.26	1.45
P-639	J-394	J-396	-701.47	6.08	0.00	1.99	1.15
P-64	J-55	J-59	-264.50	0.98	0.00	0.75	0.19
P-640	J-397	J-314	713.43	0.77	0.00	1.14	0.29
P-641	J-396	J-368	-642.31	3.59	0.00	1.82	0.97
P-642	J-391	J-503	-127.26	0.26	0.00	0.36	0.05
P-643	J-398	J-373	-2279.63	53.49	0.00	6.47	10.18
P-644	J-399	J-389	-3878.30	35.62	0.00	6.19	6.71
P-645	J-398	J-399	534.94	3.68	0.00	1.52	0.69
P-646	J-400	J-398	-1490.70	24.59	0.00	4.23	4.63
P-647	J-400	J-390	388.25	2.03	0.00	1.10	0.38
P-648	J-401	J-400	-848.45	8.59	0.00	2.41	1.63
P-649	J-401	J-397	213.19	0.67	0.00	0.60	0.13
P-65	J-57	J-50	380.86	0.48	0.00	0.61	0.09
P-650	J-399	J-406	830.57	8.24	0.00	2.36	1.57
P-651	J-402	J-388	-3295.64	26.24	0.00	5.26	4.96
P-652	J-403	J-486	542.72	1.86	0.00	1.54	0.71
P-653	J-392	J-403	-1270.66	18.18	0.00	3.60	3.45
P-654	J-404	J-405	-15460.02	8.87	0.00	4.87	1.67
P-655	J-403	J-404	-1620.59	28.63	0.00	4.60	5.41
P-656	J-405	J-389	-18542.33	12.42	0.00	5.84	2.34
P-657	J-406	J-403	699.73	6.06	0.00	1.98	1.14
P-658	J-405	J-406	1697.79	31.44	0.00	4.82	5.90
P-659	J-395	J-406	-1321.63	19.40	0.00	3.75	3.71
P-66	J-56	J-57	209.50	0.65	0.00	0.59	0.12
P-660	J-389	J-411	2276.23	13.22	0.00	3.63	2.50
P-661	J-407	J-415	-207.15	0.16	0.00	0.33	0.03
P-662	J-407	J-427	121.46	0.09	0.00	0.34	0.04
P-663	J-409	J-407	685.88	1.41	0.00	1.09	0.27
P-664	J-409	J-416	-45.18	0.04	0.00	0.13	0.01
P-665	J-410	J-409	894.71	2.36	0.00	1.43	0.44
P-666	J-410	J-417	-227.25	0.75	0.00	0.64	0.14
P-667	J-411	J-418	1563.02	6.57	0.00	2.49	1.25
P-668	J-412	J-405	-877.52	9.08	0.00	2.49	1.74
P-669	J-411	J-412	821.67	8.29	0.00	2.33	1.54
P-67	J-58	J-54	237.77	0.82	0.00	0.67	0.15
P-670	J-413	J-404	-656.83	5.31	0.00	1.86	1.02
P-671	J-412	J-413	643.63	5.10	0.00	1.83	0.98
P-672	J-414	J-388	-716.82	1.54	0.00	1.14	0.29
P-673	J-413	J-414	422.90	2.37	0.00	1.20	0.45
P-674	J-415	J-414	-492.16	0.78	0.00	0.79	0.15
P-675	J-416	J-413	-370.56	1.85	0.00	1.05	0.35
P-676	J-415	J-416	-305.29	1.30	0.00	0.87	0.25
P-677	J-417	J-412	-548.56	3.88	0.00	1.56	0.73
P-678	J-416	J-417	-486.91	3.08	0.00	1.38	0.58
P-679	J-418	J-422	1175.46	3.88	0.00	1.88	0.74
P-68	J-56	J-58	506.47	3.31	0.00	1.44	0.63
P-680	J-417	J-418	-672.60	5.59	0.00	1.91	1.06
P-681	J-418	J-420	-539.04	3.71	0.00	1.53	0.70
P-682	J-419	J-373	-1662.50	30.06	0.00	4.72	5.67
P-683	J-419	J-411	615.46	4.71	0.00	1.75	0.90
P-684	J-420	J-419	-793.04	7.57	0.00	2.25	1.44
P-685	J-380	Well #29	-1500.00	1.47	0.00	4.25	4.69
P-686	J-422	J-410	921.46	2.47	0.00	1.47	0.47
P-687	J-407	J-313	517.57	2.06	0.00	1.47	0.65
P-688	J-380	J-424	-269.05	0.06	0.00	0.76	0.19
P-689	J-386	J-473	-9.57	0.00	0.00	0.03	0.00
P-69	J-59	J-60	-350.45	1.68	0.00	0.99	0.32
P-690	J-424	J-408	-112.53	0.14	0.00	0.32	0.04

P-691	J-424	J-423	-156.51	0.23	0.00	0.44	0.07
P-692	J-423	J-470	-147.58	0.09	0.00	0.42	0.06
P-693	J-423	J-427	-8.93	0.00	0.00	0.03	0.00
P-694	J-427	J-408	112.53	0.09	0.00	0.32	0.04
P-696	J-387	Signal Pea	3733.52	33.22	0.00	5.96	6.25
P-697	Signal Pea	J-394	-1618.00	28.55	0.00	4.59	5.39
P-698	J-251	Copper SW	-7747.44	2.87	0.00	5.49	3.35
P-699	J-415	J-463	83.30	0.06	0.00	0.24	0.02
P-7	J-8	J-484	-2822.74	1.07	0.00	2.00	0.52
P-70	J-58	J-59	168.05	0.44	0.00	0.48	0.08
P-700	J-447	J-132	-7.06	0.00	0.00	0.02	0.00
P-701	J-428	J-113	90.10	0.97	0.00	0.58	0.18
P-702	J-430	J-182	-14.14	0.00	0.00	0.02	0.00
P-703	J-431	J-429	-33.71	0.16	0.00	0.22	0.03
P-704	J-430	J-431	-133.86	2.02	0.00	0.85	0.38
P-705	J-174	J-432	103.38	0.16	0.00	0.29	0.03
P-706	J-437	J-142	-322.65	0.35	0.00	0.51	0.07
P-707	J-313	Well #35	0.00	0.00	0.00	0.00	0.00
P-709	J-434	J-432	44.62	0.27	0.00	0.28	0.05
P-71	J-60	J-56	-389.78	2.06	0.00	1.11	0.39
P-710	J-435	J-437	-589.56	0.98	0.00	0.94	0.20
P-711	J-435	J-434	18.74	0.05	0.00	0.12	0.01
P-712	J-436	J-149	-233.98	0.71	0.00	0.66	0.15
P-713	J-436	J-435	169.23	3.12	0.00	1.08	0.59
P-714	J-173	J-437	-435.45	0.62	0.00	0.69	0.12
P-715	J-437	J-149	-998.35	2.85	0.00	1.59	0.54
P-716	J-433	J-452	-110.95	0.08	0.00	0.31	0.04
P-717	J-107	J-498	-314.84	0.43	0.00	0.89	0.26
P-718	J-438	J-207	213.37	0.34	0.00	0.61	0.13
P-719	J-433	J-438	594.12	4.47	0.00	1.69	0.84
P-72	J-60	J-64	-108.67	0.19	0.00	0.31	0.04
P-720	J-439	J-137	-29.05	0.01	0.00	0.08	0.00
P-721	J-440	J-447	-290.92	8.54	0.00	1.86	1.62
P-722	J-439	J-440	-300.69	9.15	0.00	1.92	1.72
P-723	J-441	J-444	723.13	0.34	0.00	1.15	0.30
P-724	J-439	J-441	181.74	3.57	0.00	1.16	0.68
P-725	J-442	J-148	-134.39	0.25	0.00	0.38	0.05
P-726	J-441	J-442	96.86	1.12	0.00	0.62	0.21
P-727	J-442	J-436	83.25	0.84	0.00	0.53	0.16
P-728	J-448	J-103	70.03	0.01	0.00	0.11	0.00
P-729	J-428	J-443	-47.51	0.30	0.00	0.30	0.06
P-73	J-62	J-61	926.97	2.49	0.00	1.48	0.47
P-730	J-444	J-204	574.94	0.92	0.00	0.92	0.20
P-731	J-443	J-444	-185.90	3.72	0.00	1.19	0.71
P-732	J-447	J-448	-283.86	8.14	0.00	1.81	1.55
P-733	J-444	J-445	-185.71	3.71	0.00	1.19	0.71
P-734	J-446	J-438	-126.75	0.10	0.00	0.36	0.05
P-735	J-445	J-446	-336.41	11.27	0.00	2.15	2.12
P-736	J-449	J-48	-191.44	0.22	0.00	0.54	0.10
P-737	J-448	J-449	-109.96	1.41	0.00	0.70	0.27
P-738	J-37	J-459	185.77	0.21	0.00	0.53	0.10
P-739	J-451	J-448	243.93	0.04	0.00	0.39	0.04
P-74	J-61	J-57	318.17	0.34	0.00	0.51	0.07
P-740	J-450	J-451	160.29	2.86	0.00	1.02	0.54
P-741	J-38	J-454	-133.59	0.11	0.00	0.38	0.05
P-742	J-451	J-452	320.60	10.16	0.00	2.05	1.94
P-743	J-452	J-446	209.65	4.65	0.00	1.34	0.88
P-744	J-402	J-461	582.22	4.04	0.00	1.65	0.81
P-745	J-449	J-455	81.48	0.81	0.00	0.52	0.15
P-746	J-456	J-61	-264.41	0.10	0.00	0.42	0.05
P-747	J-455	J-456	151.33	2.56	0.00	0.97	0.48
P-748	J-457	J-312	986.12	4.52	0.00	2.80	2.16
P-749	J-450	J-457	-205.21	4.50	0.00	1.31	0.85
P-75	J-61	J-66	196.40	0.57	0.00	0.56	0.11
P-750	J-458	J-456	-367.51	0.09	0.00	0.59	0.09
P-751	J-457	J-458	308.67	9.45	0.00	1.97	1.81
P-752	J-458	J-454	79.31	0.77	0.00	0.51	0.15
P-753	J-459	J-460	131.50	0.06	0.00	0.37	0.05
P-754	J-454	J-459	-54.28	0.38	0.00	0.35	0.07
P-755	J-460	J-50	178.52	0.19	0.00	0.51	0.09
P-756	J-460	J-453	-47.03	0.29	0.00	0.30	0.06
P-757	J-453	J-456	-48.22	0.31	0.00	0.31	0.06

P-758	J-414	J-462	140.56	0.29	0.00	0.40	0.06
P-759	J-463	J-470	147.58	0.10	0.00	0.42	0.06
P-76	J-65	J-495	-918.42	5.03	0.00	2.61	1.89
P-760	J-463	J-464	-64.28	0.03	0.00	0.18	0.01
P-761	J-465	J-478	-3269.05	10.02	0.00	5.22	4.89
P-762	J-465	J-377	-257.99	6.84	0.00	1.65	1.30
P-763	J-464	J-462	-64.28	0.52	0.00	0.41	0.10
P-764	J-466	J-487	-8156.12	0.54	0.00	2.57	0.51
P-765	J-462	J-466	76.28	0.72	0.00	0.49	0.14
P-766	J-467	J-466	-7685.18	0.23	0.00	2.42	0.46
P-767	J-377	J-483	-189.50	1.94	0.00	1.21	0.73
P-768	J-467	J-375	549.39	27.85	0.00	3.51	5.26
P-769	J-466	J-461	547.23	27.73	0.00	3.49	5.22
P-77	J-64	J-67	6.18	0.00	0.00	0.02	0.00
P-770	J-468	J-387	10.76	0.00	0.00	0.02	0.00
P-771	J-461	J-468	1129.44	14.62	0.00	3.20	2.77
P-773	J-427	Well #32	0.00	0.00	0.00	0.00	0.00
P-775	J-470	Well #33	0.00	0.00	0.00	0.00	0.00
P-776	J-73	J-376	-1710.26	15.78	0.00	4.85	5.98
P-777	J-73	Well #31	-1500.00	3.88	0.00	4.25	4.69
P-778	J-471	J-395	-1326.64	2.43	0.00	2.12	0.92
P-779	J-471	Well #27	0.00	0.00	0.00	0.00	0.00
P-78	J-66	J-65	-116.19	0.22	0.00	0.33	0.04
P-780	J-373	CAP Plant	-29400.00	0.11	0.00	9.27	5.50
P-781	J-368	J-397	-642.31	1.53	0.00	1.82	0.97
P-782	J-473	J-421	-263.57	0.89	0.00	0.75	0.19
P-783	J-473	Well #36	0.00	0.00	0.00	0.00	0.00
P-784	J-474	J-386	-9.57	0.00	0.00	0.03	0.00
P-785	J-474	Well #37	-1500.00	5.22	0.00	4.25	4.69
P-786	J-475	J-476	752.03	3.47	0.00	2.13	1.31
P-787	J-475	Well #38	-1500.00	3.31	0.00	4.25	4.69
P-788	J-381	Well #39	-1500.00	2.71	0.00	4.25	4.69
P-789	J-476	J-76	252.36	0.91	0.00	0.72	0.17
P-79	J-64	J-66	-262.85	1.00	0.00	0.75	0.19
P-790	J-271	J-476	-2009.08	21.26	0.00	5.70	8.06
P-791	J-476	J-381	-1509.41	12.47	0.00	4.28	4.74
P-792	J-477	J-268	1912.73	9.09	0.00	5.43	7.35
P-793	J-477	Well #40	-1500.00	2.39	0.00	4.25	4.69
P-794	J-478	J-380	-1769.05	0.60	0.00	2.82	1.57
P-795	J-478	Well #41	-1500.00	1.14	0.00	4.25	4.69
P-796	J-479	J-382	507.00	0.48	0.00	1.44	0.63
P-797	J-479	Well #42	-1500.00	1.85	0.00	4.25	4.69
P-798	J-480	J-379	-3527.04	0.94	0.00	2.50	0.78
P-799	J-480	Well #43	-1500.00	3.42	0.00	4.25	4.69
P-8	J-8	J-485	3714.53	1.47	0.00	2.63	0.86
P-80	J-66	J-56	-246.26	0.87	0.00	0.70	0.17
P-800	J-481	J-381	-699.14	3.51	0.00	1.98	1.14
P-801	J-481	Well #62	0.00	0.00	0.00	0.00	0.00
P-802	J-482	J-467	-6946.29	0.21	0.00	2.19	0.38
P-803	J-482	Well #63	0.00	0.00	0.00	0.00	0.00
P-804	J-483	J-467	-189.50	1.92	0.00	1.21	0.73
P-805	J-483	Well #64	0.00	0.00	0.00	0.00	0.00
P-806	J-484	J-6	-2822.74	0.27	0.00	2.00	0.52
P-807	J-484	Well #65	0.00	0.00	0.00	0.00	0.00
P-808	J-88	Well #66	0.00	0.00	0.00	0.00	0.00
P-809	J-485	J-10	3714.53	3.08	0.00	2.63	0.86
P-81	J-67	J-65	-297.78	1.22	0.00	0.84	0.23
P-810	J-485	Well #67	0.00	0.00	0.00	0.00	0.00
P-811	J-486	J-402	542.72	1.89	0.00	1.54	0.71
P-812	J-486	Well #68	0.00	0.00	0.00	0.00	0.00
P-813	J-487	J-388	-8156.12	2.01	0.00	2.57	0.51
P-814	J-487	Well #69	0.00	0.00	0.00	0.00	0.00
P-815	J-488	J-482	-6946.29	0.72	0.00	2.19	0.38
P-816	J-488	Well #70	0.00	0.00	0.00	0.00	0.00
P-817	J-375	Well #71	0.00	0.00	0.00	0.00	0.00
P-818	J-489	J-8	-737.62	5.12	0.00	2.09	1.26
P-819	J-489	Well #72	0.00	0.00	0.00	0.00	0.00
P-82	J-67	J-51	155.96	0.37	0.00	0.44	0.07
P-820	J-490	J-9	-2166.32	8.76	0.00	3.46	2.28
P-821	J-490	Well #73	0.00	0.00	0.00	0.00	0.00
P-822	J-491	J-198	-943.37	5.18	0.00	2.68	1.99
P-823	J-491	Well #74	0.00	0.00	0.00	0.00	0.00

P-824	J-492	J-241	-37.42	0.01	0.00	0.11	0.01
P-825	J-492	Well #75	0.00	0.00	0.00	0.00	0.00
P-826	J-493	J-369	-2250.01	8.00	0.00	3.59	2.45
P-827	J-493	Well #76	0.00	0.00	0.00	0.00	0.00
P-828	J-83	Well #77	0.00	0.00	0.00	0.00	0.00
P-83	J-68	J-51	258.38	0.95	0.00	0.73	0.18
P-830	J-103	Well #58	-1500.00	2.57	0.00	4.25	4.69
P-831	J-494	J-48	4.00	0.00	0.00	0.01	0.00
P-832	J-494	Well #59	-1500.00	1.70	0.00	4.25	4.69
P-833	J-48	Well #60	-1500.00	2.21	0.00	4.25	4.69
P-834	J-495	J-62	581.58	2.18	0.00	1.65	0.81
P-835	J-495	Well #61	-1500.00	3.09	0.00	4.25	4.69
P-836	J-457	Well #57	-1500.00	2.55	0.00	4.25	4.69
P-837	J-496	J-309	1593.91	6.64	0.00	4.52	5.25
P-838	J-496	Well #56	-1500.00	3.42	0.00	4.25	4.69
P-839	J-497	J-46	1282.17	1.38	0.00	2.05	0.86
P-84	J-65	J-68	208.45	0.64	0.00	0.59	0.12
P-840	J-497	Well #55	-1500.00	2.11	0.00	4.25	4.69
P-841	J-43	Well #54	-1500.00	3.80	0.00	4.25	4.69
P-842	J-96	Well #53	-1500.00	3.65	0.00	4.25	4.69
P-843	J-498	J-433	1185.16	10.88	0.00	3.36	3.03
P-844	J-498	Well #51	-1500.00	2.66	0.00	4.25	4.69
P-845	J-207	Well #50	-1500.00	8.65	0.00	4.25	4.69
P-846	J-107	Well #52	-1500.00	3.76	0.00	4.25	4.69
P-847	J-208	Well #49	-1500.00	4.13	0.00	4.25	4.69
P-848	J-499	J-299	370.13	0.64	0.00	1.05	0.35
P-849	J-499	Well #48	-1500.00	4.68	0.00	4.25	4.69
P-85	J-70	J-68	601.32	2.25	0.00	1.71	0.86
P-850	J-500	J-298	-187.11	0.44	0.00	0.53	0.10
P-851	J-500	Well #47	-1500.00	5.13	0.00	4.25	4.69
P-852	J-199	Well #44	-1500.00	4.34	0.00	4.25	4.69
P-853	J-288	Well #45	-1500.00	3.56	0.00	4.25	4.69
P-854	J-72	Well #46	-1500.00	3.19	0.00	4.25	4.69
P-855	J-501	J-55	-210.90	0.66	0.00	0.60	0.12
P-856	J-502	J-501	43.10	0.04	0.00	0.12	0.01
P-857	J-503	J-401	-381.26	1.97	0.00	1.08	0.37
P-858	J-504	J-394	307.88	1.32	0.00	0.87	0.25
P-859	J-505	J-372	-713.86	7.53	0.00	2.02	1.19
P-86	J-100	J-110	1157.52	1.89	0.00	1.85	0.71
P-860	J-506	J-258	468.51	1.68	0.00	1.33	0.54
P-861	J-507	J-323	519.34	3.50	0.00	1.47	0.66
P-863	J-509	J-122	-313.17	1.32	0.00	0.89	0.26
P-864	J-510	J-252	321.36	0.35	0.00	0.51	0.07
P-865	J-42	J-94	495.94	1.09	0.00	1.41	0.60
P-866	J-512	J-266	-287.83	1.16	0.00	0.82	0.22
P-867	J-513	J-353	-51.87	0.05	0.00	0.15	0.01
P-868	J-514	J-249	-134.77	0.14	0.00	0.38	0.05
P-869	J-515	J-354	-41.50	0.03	0.00	0.12	0.01
P-87	J-71	J-309	-461.93	0.69	0.00	0.74	0.13
P-870	J-368	Well #79	0.00	0.00	0.00	0.00	0.00
P-871	J-396	Well #78	0.00	0.00	0.00	0.00	0.00
P-872	J-257	J-510	-569.63	4.15	0.00	1.62	0.78
P-873	J-129	J-161	1460.83	6.00	0.00	4.14	4.46
P-874	J-161	J-319	1163.89	7.84	0.00	3.30	2.93
P-875	J-319	J-211	1120.89	7.12	0.00	3.18	2.73
P-876	J-108	J-197	-150.30	0.19	0.00	0.61	0.16
P-877	J-472	J-195	150.30	0.43	0.00	0.61	0.16
P-878	J-108	J-472	150.30	0.09	0.00	0.43	0.07
P-879	J-420	J-511	0.00	0.00	0.00	0.00	0.00
P-88	J-89	J-312	-661.15	5.37	0.00	1.88	1.03
P-880	J-419	J-516	0.00	0.00	0.00	0.00	0.00
P-881	J-398	J-517	0.00	0.00	0.00	0.00	0.00
P-882	J-400	J-518	0.00	0.00	0.00	0.00	0.00
P-883	J-56	Well #82	-1500.00	2.60	0.00	4.25	4.68
P-884	J-128	Well #83	-1500.00	2.41	0.00	4.25	4.68
P-885	J-118	Well #84	-1500.00	3.70	0.00	4.25	4.68
P-886	J-112	Well #85	-1500.00	3.03	0.00	4.25	4.68
P-887	J-149	Well #86	-1500.00	3.11	0.00	4.25	4.68
P-888	J-202	Well #87	-1500.00	1.53	0.00	4.25	4.68
P-889	J-183	Well #88	-1500.00	3.31	0.00	4.25	4.68
P-89	J-71	J-89	-833.36	2.06	0.00	1.33	0.39
P-9	J-10	J-9	2166.32	0.47	0.00	3.46	2.28

P-90	J-89	J-458	-596.87	0.44	0.00	0.95	0.21
P-91	J-96	J-205	1508.00	6.19	0.00	2.41	1.17
P-92	J-96	J-107	-1603.63	6.90	0.00	2.56	1.31
P-93	J-112	J-148	933.26	2.53	0.00	1.49	0.48
P-94	J-69	J-36	0.00	0.00	0.00	0.00	0.00
P-95	J-103	J-100	1157.52	1.89	0.00	1.85	0.71
P-96	J-103	J-494	-1496.00	1.64	0.00	2.39	1.15
P-97	J-63	J-73	-2242.60	6.80	0.00	6.36	9.87
P-98	J-73	J-24	967.66	5.57	0.00	2.74	2.08
P-99	J-24	J-74	927.32	4.59	0.00	2.63	1.92

E N D N O D E R E S U L T S

NODE NAME	NODE TITLE	EXTERNAL DEMAND (gpm)	HYDRAULIC GRADE (ft)	NODE ELEVATION (ft)	PRESSURE HEAD (ft)	NODE PRESSURE (psi)
Burgess Pe		----	1566.00	1566.00	0.00	0.00
CAP Plant		-29400.00	1693.21	1426.00	267.21	115.79
CG Tank		----	1566.00	1566.00	0.00	0.00
Copper SW		----	1566.00	1566.00	0.00	0.00
Cottonwood		-5170.00	1604.19	1397.00	207.19	89.78
J-1		0.00	1626.80	1415.00	211.80	91.78
J-10		507.00	1592.68	1389.00	203.68	88.26
J-100		0.00	1558.60	1385.00	173.60	75.23
J-101		0.00	1588.12	1408.00	180.12	78.05
J-102		0.00	1590.43	1409.00	181.43	78.62
J-103		148.00	1560.50	1381.00	179.50	77.78
J-105		0.00	1594.50	1404.00	190.50	82.55
J-106		0.00	1594.50	1404.00	190.50	82.55
J-107		254.00	1560.76	1374.00	186.76	80.93
J-108		0.00	1572.66	1385.00	187.66	81.32
J-109		148.00	1555.69	1396.00	159.69	69.20
J-11		507.00	1599.95	1402.00	197.95	85.78
J-110		296.00	1556.71	1389.00	167.71	72.67
J-111		296.00	1540.12	1368.00	172.12	74.59
J-112		296.00	1532.77	1353.00	179.77	77.90
J-113		148.00	1525.79	1350.00	175.79	76.17
J-114		148.00	1529.35	1330.00	199.35	86.38
J-117		148.00	1531.45	1379.00	152.45	66.06
J-118		296.00	1532.61	1370.00	162.61	70.46
J-119		296.00	1532.66	1375.00	157.66	68.32
J-12		0.00	1601.12	1397.00	204.12	88.45
J-120		148.00	1532.10	1380.00	152.10	65.91
J-121		296.00	1537.26	1375.00	162.26	70.31
J-122		148.00	1533.84	1382.00	151.84	65.80
J-123		148.00	1537.40	1378.00	159.40	69.07
J-124		296.00	1532.48	1360.00	172.48	74.74
J-126		148.00	1549.79	1385.00	164.79	71.41
J-127		0.00	1587.92	1408.00	179.92	77.97
J-128		296.00	1552.97	1381.00	171.97	74.52
J-129		0.00	1586.43	1408.00	178.43	77.32
J-13		0.00	1627.89	1415.00	212.89	92.25
J-130		0.00	1586.43	1408.00	178.43	77.32
J-131		0.00	1586.43	1408.00	178.43	77.32
J-132		148.00	1552.36	1369.00	183.36	79.46
J-135		296.00	1540.15	1372.00	168.15	72.87
J-136		296.00	1533.55	1367.00	166.55	72.17
J-137		296.00	1534.69	1360.00	174.69	75.70
J-14		0.00	1674.18	1520.00	154.18	66.81
J-141		296.00	1527.36	1450.00	77.36	33.52
J-142		296.00	1527.36	1420.00	107.36	46.52
J-145		148.00	1530.05	1402.00	128.05	55.49
J-146		296.00	1529.81	1378.00	151.81	65.78
J-147		296.00	1529.82	1360.00	169.82	73.59
J-148		296.00	1530.24	1349.00	181.24	78.54
J-149		296.00	1529.86	1357.00	172.86	74.90
J-15		0.00	1612.68	1410.00	202.68	87.83
J-151		0.00	1599.47	1400.00	199.47	86.44
J-153		0.00	1581.54	1402.00	179.54	77.80

J-154	296.00	1528.54	1390.00	138.54	60.04
J-157	296.00	1528.53	1415.00	113.53	49.20
J-158	148.00	1529.51	1437.00	92.51	40.09
J-160	0.00	1581.85	1405.00	176.85	76.63
J-161	507.00	1580.43	1406.00	174.43	75.59
J-162	0.00	1581.48	1406.00	175.48	76.04
J-163	0.00	1581.54	1401.00	180.54	78.23
J-164	0.00	1581.49	1406.00	175.49	76.05
J-165	0.00	1581.49	1406.00	175.49	76.05
J-166	0.00	1581.54	1402.00	179.54	77.80
J-167	0.00	1602.19	1399.00	203.19	88.05
J-17	0.00	1611.66	1412.00	199.66	86.52
J-170	0.00	1594.50	1402.00	192.50	83.42
J-172	296.00	1528.87	1461.00	67.87	29.41
J-173	296.00	1526.39	1424.00	102.39	44.37
J-174	296.00	1525.86	1460.00	65.86	28.54
J-175	296.00	1542.13	1500.00	42.13	18.26
J-178	296.00	1525.28	1330.00	195.28	84.62
J-18	0.00	1558.02	1430.00	128.02	55.48
J-180	507.00	1600.93	1397.00	203.93	88.37
J-181	0.00	1603.93	1397.00	206.93	89.67
J-182	148.00	1522.06	1400.00	122.06	52.89
J-183	296.00	1524.86	1388.00	136.86	59.31
J-185	0.00	1603.87	1397.00	206.87	89.64
J-187	296.00	1524.24	1337.00	187.24	81.14
J-188	296.00	1524.31	1360.00	164.31	71.20
J-189	507.00	1563.82	1379.00	184.82	80.09
J-19	0.00	1560.75	1422.00	138.75	60.12
J-191	0.00	1565.16	1377.00	188.16	81.54
J-192	0.00	1571.74	1435.00	136.74	59.25
J-193	0.00	1583.54	1426.00	157.54	68.27
J-194	0.00	1611.52	1450.00	161.52	69.99
J-195	507.00	1572.14	1390.00	182.14	78.93
J-196	0.00	1572.56	1387.00	185.56	80.41
J-197	507.00	1572.85	1383.00	189.85	82.27
J-198	507.00	1570.34	1390.00	180.34	78.15
J-199	296.00	1524.24	1364.00	160.24	69.44
J-2	0.00	1640.63	1412.00	228.63	99.07
J-20	507.00	1565.54	1419.00	146.54	63.50
J-200	296.00	1525.44	1320.00	205.44	89.02
J-201	148.00	1526.58	1332.00	194.58	84.32
J-202	296.00	1527.23	1328.00	199.23	86.33
J-203	296.00	1527.05	1330.00	197.05	85.39
J-204	148.00	1529.84	1335.00	194.84	84.43
J-205	507.00	1547.67	1357.00	190.67	82.62
J-206	148.00	1543.83	1360.00	183.83	79.66
J-207	507.00	1545.50	1354.00	191.50	82.98
J-208	254.00	1545.11	1347.00	198.11	85.85
J-209	507.00	1534.46	1345.00	189.46	82.10
J-210	254.00	1534.62	1343.00	191.62	83.03
J-211	507.00	1565.47	1395.00	170.47	73.87
J-212	0.00	1572.66	1385.00	187.66	81.32
J-213	507.00	1567.57	1414.00	153.57	66.55
J-214	254.00	1567.15	1430.00	137.15	59.43
J-215	507.00	1576.39	1420.00	156.39	67.77
J-216	507.00	1580.71	1394.00	186.71	80.91
J-217	148.00	1553.00	1400.00	153.00	66.30
J-218	148.00	1536.86	1360.00	176.86	76.64
J-219	296.00	1510.41	1283.00	227.41	98.55
J-220	296.00	1506.06	1265.00	241.06	104.46
J-221	148.00	1509.80	1270.00	239.80	103.91
J-222	148.00	1509.12	1260.00	249.12	107.95
J-223	148.00	1507.78	1269.00	238.78	103.47
J-224	148.00	1505.84	1254.00	251.84	109.13
J-225	296.00	1505.85	1260.00	245.85	106.53
J-226	296.00	1507.56	1275.00	232.56	100.78
J-227	296.00	1507.44	1274.00	233.44	101.16
J-228	296.00	1512.71	1293.00	219.71	95.21
J-229	296.00	1508.08	1278.00	230.08	99.70
J-230	296.00	1506.56	1270.00	236.56	102.51
J-231	296.00	1509.71	1286.00	223.71	96.94
J-232	296.00	1507.86	1280.00	227.86	98.74

J-233	296.00	1528.21	1312.00	216.21	93.69
J-234	148.00	1535.37	1324.00	211.37	91.59
J-235	296.00	1528.16	1336.00	192.16	83.27
J-236	296.00	1521.30	1305.00	216.30	93.73
J-237	296.00	1519.93	1310.00	209.93	90.97
J-238	296.00	1516.22	1298.00	218.22	94.56
J-239	296.00	1514.22	1290.00	224.22	97.16
J-24	0.00	1616.21	1410.00	206.21	89.36
J-240	507.00	1551.54	1368.00	183.54	79.53
J-241	507.00	1544.88	1352.00	192.88	83.58
J-242	148.00	1547.31	1393.00	154.31	66.87
J-243	60.00	1540.00	1340.00	200.00	86.67
J-244	148.00	1540.71	1375.00	165.71	71.81
J-245	507.00	1559.87	1378.00	181.87	78.81
J-246	507.00	1559.12	1410.00	149.12	64.62
J-247	296.00	1507.31	1288.00	219.31	95.03
J-248	148.00	1504.99	1255.00	249.99	108.33
J-249	148.00	1505.13	1258.00	247.13	107.09
J-25	0.00	1563.27	1426.00	137.27	59.48
J-250	148.00	1505.08	1315.00	190.08	82.37
J-251	148.00	1563.13	1458.00	105.13	45.56
J-252	148.00	1556.60	1522.00	34.60	14.99
J-253	254.00	1560.90	1500.00	60.90	26.39
J-254	148.00	1554.89	1450.00	104.89	45.45
J-255	296.00	1542.83	1402.00	140.83	61.03
J-257	296.00	1552.80	1449.00	103.80	44.98
J-258	254.00	1559.10	1449.00	110.10	47.71
J-259	148.00	1504.63	1250.00	254.63	110.34
J-260	296.00	1505.49	1260.00	245.49	106.38
J-261	296.00	1505.98	1307.00	198.98	86.22
J-262	296.00	1504.70	1265.00	239.70	103.87
J-263	296.00	1504.40	1270.00	234.40	101.57
J-264	148.00	1504.38	1270.00	234.38	101.57
J-265	296.00	1505.27	1311.00	194.27	84.18
J-266	148.00	1506.55	1355.00	151.55	65.67
J-267	0.00	1659.92	1470.00	189.92	82.30
J-268	0.00	1590.13	1421.00	169.13	73.29
J-269	0.00	1646.00	1470.00	176.00	76.27
J-270	0.00	1574.58	1414.00	160.58	69.58
J-271	507.00	1590.16	1421.00	169.16	73.30
J-272	0.00	1551.82	1380.00	171.82	74.45
J-273	0.00	1552.72	1370.00	182.72	79.18
J-274	0.00	1553.70	1380.00	173.70	75.27
J-275	0.00	1539.03	1349.00	190.03	82.35
J-276	0.00	1539.60	1349.00	190.60	82.59
J-277	0.00	1535.55	1330.00	205.55	89.07
J-278	296.00	1516.51	1306.00	210.51	91.22
J-279	0.00	1524.25	1315.00	209.25	90.67
J-28	0.00	1612.48	1410.00	202.48	87.74
J-280	254.00	1539.47	1349.00	190.47	82.54
J-281	148.00	1534.88	1330.00	204.88	88.78
J-282	148.00	1516.42	1299.00	217.42	94.22
J-283	148.00	1515.29	1320.00	195.29	84.63
J-284	296.00	1509.95	1285.00	224.95	97.48
J-285	296.00	1521.24	1312.00	209.24	90.67
J-286	296.00	1515.35	1308.00	207.35	89.85
J-287	296.00	1515.81	1305.00	210.81	91.35
J-288	296.00	1522.62	1310.00	212.62	92.13
J-289	296.00	1519.55	1332.00	187.55	81.27
J-290	148.00	1518.83	1355.00	163.83	70.99
J-291	0.00	1527.27	1328.00	199.27	86.35
J-292	148.00	1523.51	1315.00	208.51	90.35
J-293	148.00	1520.39	1306.00	214.39	92.90
J-294	296.00	1521.46	1310.00	211.46	91.63
J-295	296.00	1517.75	1310.00	207.75	90.02
J-296	254.00	1538.41	1340.00	198.41	85.98
J-297	254.00	1545.36	1357.00	188.36	81.62
J-298	254.00	1544.34	1349.00	195.34	84.65
J-299	254.00	1542.79	1339.00	203.79	88.31
J-3	0.00	1639.22	1403.00	236.22	102.36
J-300	254.00	1533.71	1336.00	197.71	85.67
J-301	0.00	1533.90	1330.00	203.90	88.36

J-302	0.00	1529.08	1326.00	203.08	88.00
J-303	507.00	1555.12	1385.00	170.12	73.72
J-304	507.00	1555.10	1393.00	162.10	70.24
J-305	507.00	1550.49	1375.00	175.49	76.05
J-306	507.00	1551.85	1383.00	168.85	73.17
J-307	507.00	1545.10	1369.00	176.10	76.31
J-308	507.00	1548.07	1368.00	180.07	78.03
J-309	507.00	1556.63	1375.00	181.63	78.71
J-31	0.00	1576.51	1428.00	148.51	64.35
J-310	507.00	1545.94	1362.00	183.94	79.71
J-311	507.00	1541.66	1352.00	189.66	82.19
J-312	254.00	1563.38	1388.00	175.38	76.00
J-313	0.00	1639.58	1433.00	206.58	89.52
J-314	0.00	1604.98	1393.00	211.98	91.86
J-315	507.00	1567.62	1414.00	153.62	66.57
J-316	507.00	1560.36	1402.00	158.36	68.62
J-317	0.00	1580.27	1393.00	187.27	81.15
J-318	0.00	1569.97	1400.00	169.97	73.65
J-319	0.00	1572.59	1400.00	172.59	74.79
J-320	0.00	1551.82	1370.00	181.82	78.79
J-321	507.00	1544.86	1349.00	195.86	84.87
J-322	507.00	1539.52	1340.00	199.52	86.46
J-323	507.00	1544.06	1360.00	184.06	79.76
J-324	507.00	1540.61	1351.00	189.61	82.17
J-325	507.00	1551.26	1361.00	190.26	82.45
J-326	507.00	1564.79	1375.00	189.79	82.24
J-327	0.00	1551.05	1361.00	190.05	82.36
J-328	148.00	1529.66	1326.00	203.66	88.25
J-329	148.00	1524.59	1312.00	212.59	92.12
J-33	507.00	1576.64	1428.00	148.64	64.41
J-330	148.00	1520.16	1307.00	213.16	92.37
J-331	0.00	1520.38	1305.00	215.38	93.33
J-332	0.00	1524.61	1315.00	209.61	90.83
J-333	0.00	1528.78	1324.00	204.78	88.74
J-334	254.00	1532.26	1329.00	203.26	88.08
J-335	507.00	1535.62	1341.00	194.62	84.34
J-336	296.00	1512.54	1293.00	219.54	95.13
J-337	296.00	1510.97	1285.00	225.97	97.92
J-338	296.00	1513.66	1392.00	121.66	52.72
J-339	148.00	1513.24	1292.00	221.24	95.87
J-34	507.00	1559.39	1410.00	149.39	64.73
J-340	148.00	1516.51	1299.00	217.51	94.25
J-341	296.00	1509.61	1285.00	224.61	97.33
J-342	296.00	1509.61	1278.00	231.61	100.36
J-343	148.00	1511.90	1281.00	230.90	100.06
J-344	296.00	1511.74	1288.00	223.74	96.95
J-345	296.00	1511.82	1295.00	216.82	93.96
J-346	148.00	1520.07	1440.00	80.07	34.70
J-347	148.00	1530.49	1412.00	118.49	51.35
J-348	296.00	1510.85	1325.00	185.85	80.54
J-349	296.00	1508.13	1345.00	163.13	70.69
J-35	148.00	1521.91	1385.00	136.91	59.33
J-350	148.00	1508.70	1410.00	98.70	42.77
J-351	296.00	1512.49	1388.00	124.49	53.94
J-352	296.00	1517.53	1365.00	152.53	66.10
J-353	148.00	1504.36	1253.00	251.36	108.92
J-354	148.00	1504.81	1243.00	261.81	113.45
J-355	148.00	1504.88	1245.00	259.88	112.61
J-356	296.00	1504.88	1250.00	254.88	110.45
J-357	296.00	1505.09	1260.00	245.09	106.21
J-358	296.00	1508.49	1275.00	233.49	101.18
J-359	148.00	1505.00	1255.00	250.00	108.33
J-36	0.00	1607.77	1408.00	199.77	86.57
J-360	296.00	1506.18	1269.00	237.18	102.78
J-361	296.00	1505.23	1265.00	240.23	104.10
J-362	296.00	1528.82	1373.00	155.82	67.52
J-363	296.00	1518.44	1335.00	183.44	79.49
J-364	296.00	1512.09	1300.00	212.09	91.91
J-366	254.00	1596.98	1433.00	163.98	71.06
J-368	0.00	1604.22	1395.00	209.22	90.66
J-369	507.00	1609.83	1407.00	202.83	87.89
J-37	507.00	1558.27	1418.00	140.27	60.78

J-370	507.00	1585.72	1425.00	160.72	69.65
J-371	507.00	1590.61	1400.00	190.61	82.60
J-372	254.00	1576.10	1454.00	122.10	52.91
J-373	254.00	1693.10	1426.00	267.10	115.74
J-374	254.00	1584.41	1468.00	116.41	50.45
J-375	0.00	1613.49	1410.00	203.49	88.18
J-376	507.00	1637.55	1407.00	230.55	99.91
J-377	0.00	1637.47	1440.00	197.47	85.57
J-378	507.00	1617.88	1417.00	200.88	87.05
J-379	0.00	1622.43	1444.00	178.43	77.32
J-38	254.00	1557.57	1408.00	149.57	64.81
J-380	0.00	1641.26	1440.00	201.26	87.21
J-381	507.00	1623.89	1425.00	198.89	86.19
J-382	507.00	1632.29	1430.00	202.29	87.66
J-383	0.00	1567.05	1445.00	122.05	52.89
J-384	254.00	1617.23	1448.00	169.23	73.34
J-385	507.00	1624.62	1437.00	187.62	81.30
J-386	0.00	1637.31	1443.00	194.31	84.20
J-387	254.00	1599.22	1444.00	155.22	67.26
J-388	507.00	1644.12	1414.00	230.12	99.72
J-389	507.00	1671.55	1426.00	245.55	106.41
J-39	507.00	1556.55	1401.00	155.55	67.40
J-390	507.00	1612.99	1406.00	206.99	89.70
J-391	254.00	1604.20	1389.00	215.20	93.25
J-392	507.00	1603.45	1415.00	188.45	81.66
J-393	254.00	1599.86	1384.00	215.86	93.54
J-394	254.00	1594.55	1440.00	154.55	66.97
J-395	507.00	1608.28	1403.00	205.28	88.96
J-396	507.00	1600.63	1394.00	206.63	89.54
J-397	507.00	1605.75	1396.00	209.75	90.89
J-398	254.00	1639.61	1416.00	223.61	96.90
J-399	507.00	1635.93	1415.00	220.93	95.74
J-4	507.00	1639.42	1403.00	236.42	102.45
J-40	0.00	1602.55	1405.00	197.55	85.60
J-400	254.00	1615.02	1409.00	206.02	89.28
J-401	254.00	1606.43	1399.00	207.43	89.88
J-402	507.00	1617.88	1410.00	207.88	90.08
J-403	507.00	1621.63	1405.00	216.63	93.87
J-404	507.00	1650.26	1414.00	236.26	102.38
J-405	507.00	1659.13	1421.00	238.13	103.19
J-406	507.00	1627.69	1412.00	215.69	93.47
J-407	254.00	1641.64	1435.00	206.64	89.55
J-408	0.00	1641.46	1430.00	211.46	91.63
J-409	254.00	1643.06	1440.00	203.06	87.99
J-41	0.00	1602.53	1408.00	194.53	84.30
J-410	254.00	1645.42	1445.00	200.42	86.85
J-411	507.00	1658.34	1437.00	221.34	95.91
J-412	507.00	1650.05	1434.00	216.05	93.62
J-413	507.00	1644.95	1423.00	221.95	96.18
J-414	507.00	1642.58	1422.00	220.58	95.58
J-415	507.00	1641.80	1430.00	211.80	91.78
J-416	507.00	1643.09	1439.00	204.09	88.44
J-417	507.00	1646.17	1440.00	206.17	89.34
J-418	254.00	1651.77	1448.00	203.77	88.30
J-419	254.00	1663.05	1441.00	222.05	96.22
J-42	0.00	1602.56	1405.00	197.56	85.61
J-420	254.00	1655.48	1452.00	203.48	88.17
J-421	254.00	1638.20	1440.00	198.20	85.89
J-422	254.00	1647.89	1455.00	192.89	83.59
J-423	0.00	1641.55	1440.00	201.55	87.34
J-424	0.00	1641.32	1440.00	201.32	87.24
J-427	0.00	1641.55	1433.00	208.55	90.37
J-428	148.00	1526.75	1335.00	191.75	83.09
J-429	148.00	1524.24	1389.00	135.24	58.60
J-43	254.00	1563.39	1382.00	181.39	78.60
J-430	148.00	1522.06	1430.00	92.06	39.89
J-431	148.00	1524.08	1410.00	114.08	49.43
J-432	148.00	1525.70	1410.00	115.70	50.14
J-433	254.00	1550.31	1368.00	182.31	79.00
J-434	148.00	1525.97	1389.00	136.97	59.35
J-435	148.00	1526.03	1350.00	176.03	76.28
J-436	148.00	1529.14	1335.00	194.14	84.13

J-437	296.00	1527.00	1389.00	138.00	59.80
J-438	254.00	1545.85	1355.00	190.85	82.70
J-439	148.00	1534.67	1347.00	187.67	81.33
J-44	0.00	1602.52	1412.00	190.52	82.56
J-440	0.00	1543.82	1359.00	184.82	80.09
J-441	148.00	1531.10	1343.00	188.10	81.51
J-442	148.00	1529.99	1338.00	191.99	83.19
J-443	148.00	1527.05	1338.00	189.05	81.92
J-444	148.00	1530.77	1343.00	187.77	81.37
J-445	148.00	1534.48	1347.00	187.48	81.24
J-446	0.00	1545.75	1359.00	186.75	80.93
J-447	0.00	1552.36	1369.00	183.36	79.46
J-448	0.00	1560.50	1378.00	182.50	79.09
J-449	0.00	1561.91	1388.00	173.91	75.36
J-450	0.00	1563.41	1388.00	175.41	76.01
J-451	0.00	1560.55	1378.00	182.55	79.10
J-452	0.00	1550.39	1368.00	182.39	79.04
J-453	0.00	1558.30	1411.00	147.30	63.83
J-454	0.00	1557.68	1411.00	146.68	63.56
J-455	0.00	1561.10	1394.00	167.10	72.41
J-456	0.00	1558.54	1400.00	158.54	68.70
J-457	0.00	1567.90	1394.00	173.90	75.36
J-458	0.00	1558.45	1400.00	158.45	68.66
J-459	0.00	1558.06	1422.00	136.06	58.96
J-46	507.00	1555.37	1370.00	185.37	80.33
J-460	0.00	1558.00	1422.00	136.00	58.93
J-461	0.00	1613.84	1410.00	203.84	88.33
J-462	0.00	1642.29	1440.00	202.29	87.66
J-463	0.00	1641.74	1444.00	197.74	85.69
J-464	0.00	1641.77	1444.00	197.77	85.70
J-465	0.00	1630.64	1444.00	186.64	80.88
J-466	0.00	1641.57	1408.00	233.57	101.21
J-467	0.00	1641.34	1408.00	233.34	101.11
J-468	254.00	1599.22	1447.00	152.22	65.96
J-470	0.00	1641.64	1442.00	199.64	86.51
J-471	0.00	1605.86	1410.00	195.86	84.87
J-472	0.00	1572.56	1387.00	185.56	80.41
J-473	254.00	1637.31	1441.00	196.31	85.07
J-474	0.00	1637.31	1435.00	202.31	87.67
J-475	0.00	1614.89	1428.00	186.89	80.99
J-476	0.00	1611.42	1423.00	188.42	81.65
J-477	0.00	1599.22	1419.00	180.22	78.10
J-478	0.00	1640.66	1439.00	201.66	87.39
J-479	0.00	1632.77	1428.00	204.77	88.73
J-48	148.00	1562.13	1392.00	170.13	73.73
J-480	0.00	1621.49	1427.00	194.49	84.28
J-481	0.00	1620.38	1422.00	198.38	85.96
J-482	0.00	1641.13	1407.00	234.13	101.46
J-483	0.00	1639.42	1444.00	195.42	84.68
J-484	0.00	1598.30	1399.00	199.30	86.36
J-485	0.00	1595.77	1393.00	202.77	87.87
J-486	0.00	1619.77	1407.00	212.77	92.20
J-487	0.00	1642.11	1409.00	233.11	101.01
J-488	0.00	1640.41	1405.00	235.41	102.01
J-489	0.00	1592.12	1399.00	193.12	83.68
J-49	254.00	1558.23	1435.00	123.23	53.40
J-490	0.00	1583.46	1392.00	191.46	82.96
J-491	0.00	1565.16	1384.00	181.16	78.50
J-492	0.00	1544.87	1351.00	193.87	84.01
J-493	0.00	1601.83	1418.00	183.83	79.66
J-494	0.00	1562.13	1385.00	177.13	76.76
J-495	0.00	1563.32	1405.00	158.32	68.60
J-496	0.00	1563.27	1379.00	184.27	79.85
J-497	0.00	1556.75	1373.00	183.75	79.63
J-498	0.00	1561.19	1373.00	188.19	81.55
J-499	0.00	1543.43	1336.00	207.43	89.89
J-5	0.00	1638.50	1405.00	233.50	101.18
J-50	507.00	1557.81	1425.00	132.81	57.55
J-500	0.00	1543.90	1343.00	200.90	87.06
J-501	254.00	1553.55	1463.00	90.55	39.24
J-502	254.00	1553.59	1455.00	98.59	42.72
J-503	254.00	1604.46	1391.00	213.46	92.50

J-504	254.00	1595.87	1466.00	129.87	56.28
J-505	254.00	1568.58	1449.00	119.58	51.82
J-506	254.00	1560.78	1435.00	125.78	54.51
J-507	507.00	1547.56	1365.00	182.56	79.11
J-509	148.00	1532.52	1389.00	143.52	62.19
J-51	148.00	1556.70	1406.00	150.70	65.30
J-510	148.00	1556.95	1500.00	56.95	24.68
J-511	0.00	1655.48	1452.00	203.48	88.17
J-512	148.00	1505.39	1335.00	170.39	73.84
J-513	148.00	1504.31	1255.00	249.31	108.03
J-514	148.00	1504.99	1262.00	242.99	105.30
J-515	148.00	1504.78	1243.00	261.78	113.44
J-516	0.00	1663.05	1441.00	222.05	96.22
J-517	0.00	1639.61	1416.00	223.61	96.90
J-518	0.00	1615.02	1409.00	206.02	89.28
J-52	0.00	1560.05	1440.00	120.05	52.02
J-53	254.00	1563.60	1435.00	128.60	55.73
J-54	254.00	1554.81	1448.00	106.81	46.29
J-55	254.00	1554.21	1455.00	99.21	42.99
J-56	148.00	1558.94	1425.00	133.94	58.04
J-57	148.00	1558.30	1414.00	144.30	62.53
J-58	507.00	1555.63	1438.00	117.63	50.98
J-59	254.00	1555.20	1441.00	114.20	49.49
J-6	0.00	1598.57	1400.00	198.57	86.05
J-60	148.00	1556.88	1433.00	123.88	53.68
J-61	148.00	1558.64	1404.00	154.64	67.01
J-62	148.00	1561.14	1400.00	161.14	69.83
J-63	0.00	1614.98	1404.00	210.98	91.42
J-64	148.00	1557.08	1426.00	131.08	56.80
J-65	296.00	1558.29	1409.00	149.29	64.69
J-66	296.00	1558.07	1417.00	141.07	61.13
J-67	148.00	1557.08	1417.00	140.08	60.70
J-68	296.00	1557.65	1399.00	158.65	68.75
J-69	0.00	1607.77	1408.00	199.77	86.57
J-7	0.00	1620.99	1400.00	220.99	95.76
J-70	0.00	1559.91	1396.00	163.91	71.03
J-71	507.00	1555.95	1386.00	169.95	73.64
J-72	296.00	1525.17	1320.00	205.17	88.91
J-73	0.00	1621.78	1405.00	216.78	93.94
J-74	0.00	1611.62	1412.00	199.62	86.50
J-75	0.00	1610.65	1412.00	198.65	86.08
J-76	0.00	1610.51	1412.00	198.51	86.02
J-77	0.00	1612.27	1412.00	200.27	86.78
J-78	507.00	1601.00	1412.00	189.00	81.90
J-79	0.00	1602.61	1412.00	190.61	82.60
J-8	507.00	1597.23	1396.00	201.23	87.20
J-80	0.00	1602.77	1412.00	190.77	82.67
J-81	0.00	1601.60	1415.00	186.60	80.86
J-82	0.00	1566.94	1445.00	121.94	52.84
J-83	0.00	1599.90	1412.00	187.90	81.42
J-84	0.00	1600.97	1412.00	188.97	81.89
J-85	0.00	1600.97	1412.00	188.97	81.89
J-86	0.00	1600.02	1402.00	198.02	85.81
J-87	0.00	1600.02	1402.00	198.02	85.81
J-88	0.00	1601.54	1400.00	201.54	87.33
J-89	254.00	1558.01	1396.00	162.01	70.20
J-9	0.00	1592.21	1389.00	203.21	88.06
J-93	0.00	1608.06	1403.00	205.06	88.86
J-94	0.00	1601.47	1402.00	199.47	86.44
J-95	0.00	1591.22	1408.00	183.22	79.39
J-96	507.00	1553.86	1364.00	189.86	82.27
J-97	0.00	1594.24	1410.00	184.24	79.84
J-98	0.00	1590.85	1409.00	181.85	78.80
J-99	0.00	1590.22	1409.00	181.22	78.53
RV-2	----	1655.92	1470.00	185.92	80.57
Scott Dr.	----	1566.00	1566.00	0.00	0.00
Section 36	----	1566.00	1566.00	0.00	0.00
Signal Pea	----	1566.00	1566.00	0.00	0.00
Anger Boo	0.00	1659.92	1470.00	189.92	82.30
Well #27	0.00	1605.86	1410.00	195.86	84.87
Well #28	-1500.00	1675.25	1520.00	155.25	67.27
Well #29	-1500.00	1642.73	1440.00	202.73	87.85

Well #31	-1500.00	1625.66	1403.00	222.66	96.49
Well #32	0.00	1641.55	1433.00	208.55	90.37
Well #33	0.00	1641.64	1442.00	199.64	86.51
Well #34	-1500.00	1675.33	1520.00	155.33	67.31
Well #35	0.00	1639.58	1433.00	206.58	89.52
Well #36	0.00	1637.31	1441.00	196.31	85.07
Well #37	-1500.00	1642.53	1435.00	207.53	89.93
Well #38	-1500.00	1618.20	1428.00	190.20	82.42
Well #39	-1500.00	1626.60	1427.00	199.60	86.49
Well #40	-1500.00	1601.61	1420.00	181.61	78.70
Well #41	-1500.00	1641.80	1438.00	203.80	88.31
Well #42	-1500.00	1634.62	1428.00	206.62	89.53
Well #43	-1500.00	1624.91	1427.00	197.91	85.76
Well #44	-1500.00	1528.58	1364.00	164.58	71.32
Well #45	-1500.00	1526.18	1310.00	216.18	93.68
Well #46	-1500.00	1528.37	1320.00	208.37	90.29
Well #47	-1500.00	1549.03	1343.00	206.03	89.28
Well #48	-1500.00	1548.11	1336.00	212.11	91.92
Well #49	-1500.00	1549.24	1347.00	202.24	87.64
Well #50	-1500.00	1554.15	1360.00	194.15	84.13
Well #51	-1500.00	1563.85	1371.00	192.85	83.57
Well #52	-1500.00	1564.52	1374.00	190.52	82.56
Well #53	-1500.00	1557.51	1364.00	193.51	83.85
Well #54	-1500.00	1567.19	1382.00	185.19	80.25
Well #55	-1500.00	1558.87	1373.00	185.87	80.54
Well #56	-1500.00	1566.69	1379.00	187.69	81.33
Well #57	-1500.00	1570.45	1394.00	176.45	76.46
Well #58	-1500.00	1563.07	1381.00	182.07	78.90
Well #59	-1500.00	1563.83	1385.00	178.83	77.49
Well #60	-1500.00	1564.35	1392.00	172.35	74.68
Well #61	-1500.00	1566.40	1404.00	162.40	70.37
Well #62	0.00	1620.38	1422.00	198.38	85.96
Well #63	0.00	1641.13	1406.00	235.13	101.89
Well #64	0.00	1639.42	1444.00	195.42	84.68
Well #65	0.00	1598.30	1399.00	199.30	86.36
Well #66	0.00	1601.54	1400.00	201.54	87.33
Well #67	0.00	1595.77	1393.00	202.77	87.87
Well #68	0.00	1619.77	1408.00	211.77	91.77
Well #69	0.00	1642.11	1409.00	233.11	101.01
Well #70	0.00	1640.41	1405.00	235.41	102.01
Well #71	0.00	1613.49	1409.00	204.49	88.61
Well #72	0.00	1592.12	1399.00	193.12	83.68
Well #73	0.00	1583.46	1392.00	191.46	82.96
Well #74	0.00	1565.16	1382.00	183.16	79.37
Well #75	0.00	1544.87	1351.00	193.87	84.01
Well #76	0.00	1601.83	1422.00	179.83	77.92
Well #77	0.00	1599.90	1410.00	189.90	82.29
Well #78	0.00	1600.63	1394.00	206.63	89.54
Well #79	0.00	1604.22	1395.00	209.22	90.66
Well #80	0.00	1604.98	1393.00	211.98	91.86
Well #81	0.00	1604.98	1393.00	211.98	91.86
Well #82	-1500.00	1561.54	1425.00	136.54	59.17
Well #83	-1500.00	1555.39	1381.00	174.39	75.57
Well #84	-1500.00	1536.30	1370.00	166.30	72.07
Well #85	-1500.00	1535.79	1353.00	182.79	79.21
Well #86	-1500.00	1532.96	1357.00	175.96	76.25
Well #87	-1500.00	1528.75	1328.00	200.75	86.99
Well #88	-1500.00	1528.17	1388.00	140.17	60.74
Well #89	0.00	1528.53	1415.00	113.53	49.20
Well #90	0.00	1527.36	1420.00	107.36	46.52
Well #91	0.00	1526.39	1424.00	102.39	44.37
Well 19	-4250.00	1642.86	1412.00	230.86	100.04
RV-2	0.00	1655.92	1470.00	185.92	80.57

REGULATING VALVE REPORT

VALVE LABEL	VALVE TYPE	VALVE SETTING (psi or gpm)	VALVE STATUS	UPSTREAM PRESSURE (psi)	DOWNSTREAM PRESSURE (psi)	THROUGH FLOW (gpm)
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RV-2 PSV 80.00 WIDE OPEN 80.57 80.57 3000.00

S U M M A R Y O F I N F L O W S A N D O U T F L O W S

(+) INFLOWS INTO THE SYSTEM FROM SUPPLY NODES
(-) OUTFLOWS FROM THE SYSTEM INTO SUPPLY NODES

NODE NAME	FLOWRATE (gpm)	NODE TITLE
Burgess Pea	1458.96	
CG Tank	-7076.63	
Copper SW	7747.44	
Scott Dr.	1202.19	
Section 36	1359.55	
Signal Peak	-5351.52	

NET SYSTEM INFLOW = 11768.13
NET SYSTEM OUTFLOW = -12428.15
NET SYSTEM DEMAND = -660.00

***** HYDRAULIC ANALYSIS COMPLETED *****

